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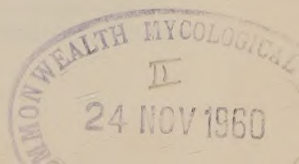
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BIBLIOGRAPHY OF SYSTEMATIC MYCOLOGY

Publications issued in 1959 and a few from earlier years are listed.
For new genera and species see the Index of Fungi published by this Institute.

The entries were compiled by the C. M. I. staff and
edited by Miss G. M. Waterhouse.

GENERAL

3919. ANON. Mycology. - In Botanical research in the Estonian S.S.R., pp. 12-14, Tartu State University, 1959.
3920. ANON. Index of fungi. - Vol. 2, No. 18, pp. 465-497, Commonwealth Mycological Institute, Kew, 1959.
3921. BATAILLE (F.). Les reactions macrochimiques chez les champignons, suivie d'indication sur la morphologie des spores. - 178 pp., Paris, 1958.
3922. BENEDIX [E.H.]. Pilzspezialisten Mitteleuropas. Stand: Oktober 1959. - Z. Pilzk., 25, 2, pp. 57-60, 1959. [List of referees with their special groups]
3923. FRAUENSTEIN (Kate). Falsche Mehлтаupilze. - 46 pp., 21 fig., Wittenberg Lutherstadt, A. Ziemsen Verlag, 1959. DM. 3.75.
3924. GRAY (W.D.). The relation of fungi to human affairs. - xiii + 510 pp., illus., Henry Holt & Co., New York, 1959. [Phys. and indust.]
3925. HAAS (H.). Zusammenarbeit auf dem Gebeite der Pilzsoziologie. - Z. Pilzk., 24, 1, pp. 15-18, 1958.
3926. HENRY (R.). Réactions chimiques colorées en mycologie. Action de l'iode. (Suite). - Rev. Mycol., Paris, 24, 2, pp. 171-184, 1959.
3927. HENRY (R.). Ibid. Action de l'iode (Suite). - Op. cit., 24, 3 (Suppl.), pp. 280-288, 1959.
3928. KIGER (J.). Étude de la composition chimique et de la valeur alimentaire de 57 espèces de champignons supérieurs. - Op. cit., 24, 2, pp. 161-170, 1959.
3929. KOTLABA (F.). K pětasedmdesátinám Rudolfa Veselého. - Čes. Mykol., 13, 2, pp. 65-73, 3 fig., 1959.
3930. LANJOUW (J.) & STAFLEU (F.A.). Index herbariorum. Part I. The herbaria of the world. - Regnum Veget., 15, pp. 1-294, 1959.
3931. LINDAU (G.) & SYDOW (P.). Thesaurus literaturae mycologicae et lichenologicae. Suppl. (R. Ciferri), 1911-1930, 3, L - Q, pp. 1479-2156, 1959, Papija Cortina.
3932. LOCQUIN (M.). Les champignons. - 124 pp., Paris, Presses universitaires de France, 1959.
3933. MAUBLANC (A.) & VIENNOT-BOURGIN (G.). Champignons de France. Tome I. Texte général. Tome II. Atlas. - iv + 305 pp., Portrait, 59 fig.; 283 pp., 224 pl. (221 col.), Paris, Paul Lechevalier, 1959. (5,500 fr.)
3934. MOREAU (F.). Les progrès récents de la cytologie des champignons en microscopie usuelle et en microscopie corpusculaire. - Bull. Soc. Bot. Fr., 105 (1958), 7-8, pp. 363-429, 1 pl., 1959.

3935. OKTÁBEC (A.). Čtyřicet let "Mykologického sborníku" Časopisu Čs. houbařů. - C.C.H.mykol. Sborn., 35, 5-8, pp.116-123, 3 fig., 1958. [40 years of Mykol. Sborn.]
3936. PAYAK (M.M.). "LO-analysis" as an aid in the study of fungal spore morphology. - Nature, Lond., 184, 4687, (Suppl.10), pp.738-739, 1959. [Uredospores]
3937. PULCHART (M.). Systém hub u Zd. Černohorského. - C.C.H.mykol. Sborn., 35, 5-8, pp.104-106, 1958.
3938. RAUH (W.). Unsere Pilze - Insgeramt 4, Rev.A des von L. Klein begründeten Pilzwerkes. - 156 pp., 100 (90 col.) pl., 11 fig., Heidelberg, 1957.
3939. RODIGIN (M.N.). (Mycology in the China People's Republic.) - Bot. Zh. S.S.S.R., 44, 10, pp.1515-1521, 1959. [3 pp. ref. Russ.]
3940. ROSEMBERG (J.A.). Modificazioni morfologiche e fisiologiche in alcuni funghi in dependensa della nutrizione azotata. - Atti. Ist. bot. Univ. Pavia, Ser.5, 16, pp.76-84, 1 pl., 1959. [28 spp. Mucorales, Fungi Imperfecti, and Ascomycetes.]
3941. SPRECHER (E.). Über Stoffwechselausscheidungen bei Pilzen. - Z. Pilzk., 25, 2, pp.37-41, 1959.
3942. VERONA (O.) & BENEDEK (T.). Iconographia mycologica I. - Mycopathologia, 11, (Suppl.), 105 pp., 50 pl., 1959. [82 genera of Fungi Imperfecti, Phycomyces, Ascomycetes, and Uredinales]
3943. WILLIAMS (C.N.). Spore size in relation to culture conditions. - Trans. Brit. mycol. Soc., 42, 2, pp.213-222, 8 graphs, 1959. [Mucor dispersus, Trichothecium roseum, Sordaria fimicola, and Coprinus heptemerus.]

LISTS OF FUNGI

3944. PETRAK (F.). Mykologische Bemerkungen. - Sydowia, 13, 1-6, pp.29-33, 1959. [Nos.131-140, 2 n.comb.]

AFRICA See also Nos.4337, 4394, 4539, 4565

Algeria, See No.4497

Belgian Congo

3945. MEYER (J.). Moisissures du sol et des litières de la région de Yangambi (Congo Belge). - Publ. Inst. nat. aaron.Congo Belge., Sér. sci., 75, 211 pp., 3 pl., 100 fig., 1959. [251 spp. of Mucorales, Ascomycetes, and Fungi Imperfecti]

French Guinea

3946. VIENNOT-BOURGIN (G.). Champignons nouveaux de la Guinée. - Bull. Soc. mycol. Fr., 75, 1, pp.33-37, 1959. [8 spp., all new]

Ghana See No.4817

Kenya See No.4227

Morocco

3947. MALENÇON (G.). Champignons du Moyen Atlas. Première liste. - C.R. Soc. Sci. nat. Maroc, 1958, 8, pp.188-191, 1958.
3948. MALENÇON (G.). Ibid. Deuxième liste. - Op. cit., 1959, 1, pp.21-23, 1959.
3949. MALENÇON (G.). Ibid. Troisième liste. - Op. cit., 1959 2, pp.38-40, 1959.
3950. MALENÇON (G.) & BERTAULT (R.). Champignons du Rif. Première list. - Op. cit., 1959, 4, pp.57-59, 1959.

3951. MALENÇON (G.) & BERTAULT (R.). Ibid. Deuxième liste. - Op. cit., 1959, 5, pp.74-76, 1959.
3952. MALENÇON (G.) & BERTAULT (R.). Ibid. Troisième liste. - Op. cit., 1959, 6, pp.90-93, 1959.
3953. MALENÇON (G.) & BERTAULT (R.). Champignons de la région de Tanger 3. - Op. cit., 23, 8, pp.168-171, 1957.

Somalia

3954. PEYRONEL (B.) & DAL VESCO (Giovanna). Ricerche sulla microflora di alcuni terreni agrari somali. - Allionia, 3, 2, pp.113-132, 4 fig., 4 diag., 2 maps, 1957.

Tanganyika

3955. PETRAK (F.). Ein kleiner Beitrag zur Pilzflora von Tanganyika. - Sydowia, 13, 1-6, pp.223-234, 1959. [10 n. spp.]

ASIA See also Nos. 4230, 4236, 4408, 4503, 4511

China See Nos. 4471, 4508

India See also Nos. 4132, 4142, 4145-9, 4289-91, 4423-5, 4555, 4795, 4824, 4893

3956. AGARWAL (G. P.), NEMA (K. G.), & BELIRAM (R.). Fungi causing plant diseases at Jabalpur (Madhya Pradesh) - I. - Proc. nat. Acad. Sci., India, 29, 5, pp.310-315, 1959. [66 spp.]

3957. CHAUDHURI (A. B.). The fairy land of fungi. - Indian For., 85, 11, pp.663-667, 1959. [Fungi in different ecological situations.]

3958. RAMAKRISHNAN (T. S.). Notes on some fungi from South India. - VII. - Proc. Indian Acad. Sci., Sect. B, 49, 2, pp.124-128, 2 fig., 1959. [5 spp. including *Uncinula religiosa* and *Aecidium travancoricum*.]

Indonesia See No. 4210

Iran

3959. KHABIRI (E.). Contribution à la mycoflore de l'Iran III. - Rev. Mycol., Paris, 23, 4, pp.408-412, 1958. [125 taxa]

Iraq See also 4133

3960. AL-DOORY (Y.), TOLBA (M. K.), & Al-ANI (H.). On the fungal flora of Iraqi soils. II. Central Iraq. - Mycologia, 51, 3, pp.429-439, 4 graphs, 1 map, 1959. [151 taxa, mostly fungi imperfecti]

Israel See also 4431, 4449

3961. BARKAI-GOLAN (R.). A study of air-borne fungi in Israel. - Bull. Res. Coun. Israel, Sect. D, 6, pp.247-258, 1958.

3962. RAYSS (T[SCHARNA]). Quelques additions à la mycoflore d'Israel. - Op. cit., 8, 1, pp.1-14, 1959. [42 spp.]

Japan See also Nos. 4127, 4137-9, 4190, 4406, 4415, 4438, 4504-6, 4524, 4671

3963. ANON. Report of fungus foray held at Mt. Fuji in Oct., 1958. List of fungus collection. - Trans. mycol. Soc. Japan, 2, 1, pp.15-17, 1959. [Japanese.]

3964. HINO (I.) & KATUMOTO (K.). Illustrationes fungorum bambusicolorum. VII. - Bull. Fac. Agric. Yamaguti Univ. 10, pp.1175-1194, 20 fig., 1959. [Nos. 122-141, including 9 n. spp.]

3965. TSUKAMOTO (N.) & KAZUKI (S.). (Parasitic fungi of economic plants new to Japan or unknown to the scientific world.) - Abs. in Ann. phytopath. Soc., Japan, 24, 1, p. 27, 1959. [Jap. 8 species, including 5 new, all groups]
3966. TSUKAMOTO (E.) & KATSUKI (S.). New or noteworthy fungi parasitic on useful plants in the Tohoku district (2). - Op. cit., 24, 3, pp. 145-146, 6 fig., 1959. [6 spp., including 1 ascomycete and 5 spp. Sphaeropsidales (4 new).]
- Pakistan see also No. 4239
3967. KHAN (A. H.). Some diseases of *Colchicum luteum* Baker. - Pakist. J. For., 9, 1, pp. 79-81, 8 fig., 1959. [*Uromyces colchici* and *Urocystis colchici*]
- U. S. S. R. See also Nos. 4161, 4303, 4361-3, 4445, 4466-7, 4479, 4563-4
3968. CHASTUKHIN (V. Ya.). (The types of plant diseases in Spruce forests) - Bot. Zh. S. S. S. R., 44, 3, pp. 297-311, 6 maps, 1959. [Russian. The distribution of some non-economic micro-fungi.]
3969. GLEZER (Z. I.). (A new genus and some new species of fungi from the Crimea.) - Bot. Mater. (Not. syst. Sect. crypt. Inst. bot. Acad. Sci. U. S. S. R.), 12, pp. 162-172, 8 fig., 1959. [Russian. 3 n. spp. Sphaeriales, 4 n. spp. fungi imperfecti]
3970. GOLOVIN (P. N.). (New species of fungi from Central Asia.) - 47 pp., 23 fig., Tashkent, Central Asian State University, N. S., 14, Biol. Sci. ser. 5, 1950. [Russian]
3971. GUTSEVICH (S. A.). (New and rare fungi for the U. S. S. R. on species of *Celtis*.) - Bot. Mater. (Notul. syst. Inst. bot. Acad. Sci. U. S. S. R.), 12, pp. 200-205, 7 fig., 1959. [Russian. 6 n. spp., Sphaeriales and Sphaeropsidales]
3972. KALYMBETOV (B. K.). (The fungus flora of the Alma-Ata botanical garden, Academy of Sciences, Kazakh S. S. R.) - Trud. Alma-Ata Bot. Sad., 1959, 4, pp. 125-141, 1 fig., 1959. [Russian. 103 spp.]
3973. KLEUNER (B. D.). (A species compilation of fungi - the causal agents of diseases of forest trees and shrubs in the mountain regions of Uzbekistan and their systematic character.) - Trud. Sredneaz. n. - i. In-ta lesn. Khoz., 1958, 3, pp. 248-260, 1958. [20 ascomycetes, 43, basidiomycetes, and 57 fungi imperfecti. Abs. in Referat. Zh. Biol., 1959, 18, p. 102, 1959]
3974. KLYUSHNIK (P. I.). (On fungus diseases of Oak) - Lesn. Khoz., 12, 11, pp. 50-52, 6 fig., 1959. [Russian]
3975. KORBONSKAYA (Mme Y. I.). (The mycological flora of the Juniper forests of the central part of the Turkistan range) - Ex. The Juniper forests of the central part of the Turkistan range. - Trud. Inst. Bot., Akad. Nauk Tajik. S. S. R., 73, pp. 233-257, 1 fig., 1958.
3976. NELEN (E. S.) & VASIL'EVA (Mme L. N.). (The pathogenic fungus flora of the flowering plants in the Far-East Botanical Garden.) - Bull. centr. bot. Gdn, Moscow, 1959, 35, pp. 82-91, 1959. [Russian. 78 spp., including 5 n. spp. and 1 n. comb.]
3977. POSPELOV (A. G.). (The fungus flora of Kirghizia). Ex Jubilee sci. Session Dept. biol. Sci., Acad. Sci. Kirghiz S. S. R., pp. 61-74, Frunze, 1958. [Abs. in Referat. Zh. Biol., 1959, 23, p. 117, 1959]
3978. SHVARTSMAN (S. R.). (Fungi [edible] resources of Kazakhstan.) - Izv. Acad. Sci. Kazakh S. S. R. Ser. Bot., 1, pp. 3-15, 1958. [Russian.]
3979. SMITS'KA (Mme M. F.). (New and little known species of fungi in the Ukrainian S. S. R. and from the Transcarpathian region.) - J. Bot. Acad. Sci. Ukr., 16, 2, pp. 92-94, 1959. [Ukrainian. 20 spp.]

3980. TOMILIN (B.A.). (New and interesting species of fungi from the Kursk region.) - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp. 271-274, 2 fig., 1959. [Russian. 2 n. spp. *Mycosphaerella delphinii* and *Septoria buniadis*, and *Haplosporella rhamni*]
3981. VASYAGINA (Mme M.P.). (Parasitic fungal flora in the small hills in Central Kazakhstan) - Trud. Inst. Bot. Kazakh. Acad. Sci., 6, pp. 161-194, 1 map, 1959. [Russian, 329 spp., 44 f.]

AUSTRALASIA

Australia See also 4155, 4742

3982. PURNELL (H.). Notes on fungi found in Victoria plantations. IV. *Armillaria mellea* (Vahl) Quel. V. *Naemacylus niveus* (Pers.) Sacc. - Plantat. tech. Pap. For. Comm. Vict. 4, 11 pp., 1957.
3983. WARCUP (J.H.). Studies on Basidiomycetes in soil. - Trans. Brit. mycol. Soc., 42, 1, pp. 45-52, 1959.

New Zealand

3984. BRIEN (R.M.) & DINGLEY (Joan M.). Fourth supplement to "a revised list of plant diseases recorded in New Zealand", 1957-1959. - N.Z.J. agric. Res., 2, 2, pp. 406-413, 1959.
3985. DINGLEY (Joan M.). New records of fungous diseases in New Zealand, 1957-58. - Op. cit., 2, 2, pp. 380-386, 4 fig., 1959. [9 spp.]

Pacific Is.

3986. YUNCKER (T.G.). Plants of Tonga. - Bull. Bishop Mus., Honolulu 220, 283 pp., 17 fig., 1959.

NORTH AMERICA

Alaska

3987. SPRAGUE (R.) & LAWRENCE (D.B.). The fungi on deglaciated Alaskan terrain of known age. - Res. Stud. Wash. St. Univ. (formerly St. Coll. Wash.), 27, 3, pp. 110-128, 1 map, 1959.
3988. SPRAGUE (R.) & LAWRENCE (D.B.). The fungi on deglaciated Alaskan terrain of known age (Part I). - Op. cit., 27, 3, pp. 110-128, 1 map, 1959.
3989. SPRAGUE (R.) & LAWRENCE (D.B.). The fungi on deglaciated Alaskan terrain of known age (Part II.). - Op. cit., 27, 4, pp. 214-229, 1 map, 1959.

Canada see also Nos. 4246, 4636

3990. ZILLER (W.G.). Fungi of British Columbia deposited in the herbarium of the Forest Biology Laboratory, Victoria, B.C., Canada. Additions for the year 1958. - 6 pp., Forest Biology Laboratory, Victoria, B.C., Canada, 1959. [109 new records. Not for publication]

Mexico See also Nos. 4542, 4714

3991. HEIM (R.). Nouvelles contributions à la flore mycologique mexicaine. - Rev. Mycol., Paris, 24, 3, pp. 185-196, 1 col. pl., 3 fig., 1959. [*Bertrandiella ianthina*, *Calostoma cinnabarinum*, *Hypomyces lactifluorum*.]
3992. GUZMÁN (G.H.). Sinopsis de los conocimientos sobre los hongos alucinógenos mexicanos. - Bol. Soc. bot. Méx., 24, pp. 14-34, 5 fig., 1 map, 1959.

United States, see also Nos. 4120, 4160, 4193, 4349. 4390, 4434, 4454, 4477, 4510

3993. ANON. Field trip reports. - Bull. Torrey Bot. Cl., 86, 1, pp. 64-67, 1959.

3994. CAHALANE (V. H.). A biological survey of Katmai National Monument. - Smithson. misc. Coll., 138, 5, iii + 246 pp., 17 pl., 3 fig., 1 map, 1959. [3 fungi, p. 23]
3995. COOKE (W. B.). Trickle filter ecology. - Ecology, 40, 2, pp. 273-291, 1 fig., 6 graphs, 1959.
3996. COOKE (W. B.). Fungi in polluted water and sewage. IV. The occurrence of fungi in a trickle filter-type sewage treatment plant. - Proc. Purdue industr. Waste Conf. Ser. 96, 43, 3, pp. 26-45, 1 fig., 1959. [112 spp.]
3997. GILLIS (W. T.). Subterranean Elaphomyces and Rhizopogon in the Michigan Jack-pine region. - Mycologia, 51, 3, pp. 364-367, 3 fig., 1959. [3 spp.]
3998. GOLD (H. S.). Distribution of some lignicolous Ascomycetes and Fungi Imperfecti in an estuary. - J. Elisha Mitchell sci. Soc., 75, pp. 25-28, 1959.
3999. GREENE (H. C.). Notes on Wisconsin parasitic fungi. XXIV. - Trans. Wis. Acad. Sci. Arts Lett., 47 (1958), pp. 99-117, 1959. [5 n. spp.; 1 n. comb.]
4000. GREENE (H. C.). Ibid. XXV. - Op. cit., 47 (1958), pp. 119-129, 1959. [5 n. spp.; 1 n. comb.]
4001. SHIGO (A. L.). Fungi isolated from oak-wilt trees and their effects on Ceratocystis fagacearum. - Mycologia, 50 (1958), 5, pp. 757-770, 2 fig., 1959.
4002. SPRAGUE (R.). Some leafspot fungi on western Gramineae - XII. - Op. cit., 50 (1958), 6, pp. 814-810, 2 fig., 1959. [1 n. gen., 2 n. comb., 5 n. spp.]

EUROPE

Austria

4003. GAMS (W.). Die Bodenpilze im zentralalpiner Rohhumus. - Doctoral Dissertation, Innsbruck University, Sept. 1959.
4004. PERINGER (Maria) & CERNOHORSKY (T.). Beiträge zur Pilzflora von Wien und Umgebung unter Berücksichtigung der Bodenverhältnisse. - Sydowia, 13, 1-6, pp. 246-265, 1959. [958 taxa.]
4005. PETRAK (F.). Beiträge zur österreichischen Pilzflora. - Op. cit., 13, 1-6, pp. 67-86, 1959. [7 n. spp., 4 n. comb.]

Belgium

4006. DAMBLON (J.), DARIMONT (F.), & LAMBINON (J.). Contribution à l'étude de la flore mycologique de la Haute et de la Moyenne Belgique. 1957. - Lejeunia, 21, (1957), pp. 73-92, 2 pl., 13 fig., 1959. [25 spp. larger fungi, mostly Basidiomycetes]
4007. DAMBLON (J.), DARIMONT (F.), & LAMBINON (J.). Ibid. 1958. - Op. cit., 22 (1958), pp. 73-102, 1 pl., 8 fig., 1959. [28 taxa including 2 n. comb.]

Bulgaria

4008. KHINKOVA (T.). (Floristic data on the fungus flora of the eastern part of the Rila mountains) - Bull. Inst. bot. Sofia, 6, pp. 411-430, 1958. [Bulgarian]
4009. KRUSHEVA (Mme R.). (Parasitic fungi new for Bulgaria) - Trav. Sci. Fac. Agron. Sofia, 1959, 7, pp. 487-494, 1959. [Bulgarian. Tiarospora deschampsiae and Ascochyta dictamni n. spp. plus 10 new to Bulgaria and 14 new host records.]

Czechoslovakia See also No. 4243

4010. BÍLEK (J.). Houbaření na Vysočině. - C. C. H. mykol. Sborn., 35, pp. 85-86, 1958.

4011. CHMELÍČEK (J.). Kodexové houby. - Op. cit., 35, 9-10, 4 fig., 1959.
4012. CHMELÍČEK (J.). Ibid. - Op. cit., 36, 1-4, pp. 22-25, 1959.
4013. FRÁGNER (P.). Příspěvek k mykofloře zvukovodů. - Čes. Mykol., 13, 2, pp. 119-124, 1959.
4014. HOFMAN (B.). Příspěvek k poznání dřevokazných hub Pekelského údolí. - Op. cit., 13, 4, pp. 217-223, 12 fig., 1959. [Tree mycoflora.]
4015. KUBIČKA (J.). Fungi Trebonenses I. - Op. cit., 12, 4, pp. 240-243, 1958.
4016. OTRUBA (J.). Houby v prosinci 1949. - C. C. H. mykol. Sborn., 36, 7-10, p. 105, 1959. [19 spp.]
4017. PARÁČEK (V.). Zpráva o růstu hub na Hradecku v roce 1958. - Op. cit., 36, 1-4, pp. 47-48, 1959. [Foray]
4018. PROBOŠT (F.). Houbová formace Modřínů. - Op. cit., 36, 1-4, pp. 13-14, 1 fig., 1959.
4019. SVRČEK (M.). Několik zajímavých druhů koprolitních hub pozorovaných v roce 1958. - Čes. Mykol., 13, 2, pp. 92-102, 1 fig., 1959. [19 coprophilous fungi, including one new name]
4020. SVRČEK (M.). Výsledky mykologického průzkumu Čech za rok 1958. I. Zimní a jarní aspekt mykoflory středních Čech. - Op. cit., 13, 3, pp. 153-159, 1959. [178 spp.]

Denmark

4021. BUCHWALD (N. F.). Bidrag til Bornholms svampeflora. - Reprinted from Jubilaeumsskr. Bornholms naturhist. Foren., 1957, 16 pp., 3 fig., 1957.
4022. BUCHWALD (N. F.). Svampeudstilling den 24 - 27 September 1953. - Friesia, 6 (1957-8), 1-2, pp. 64-66, 1959.
4023. BUCHWALD (N. F.). Ekskursioner i 1954. Søndag den 16 Maj 1954. - Op. cit., 6 (1957-8), 1-2, pp. 66-67, 1959.
4024. BUCHWALD (N. F.), BJØRNEKÆR (K.), & HANSEN (E. B.). Ekskursioner i 1954. - Friesia, 6, 1957-8, 1-2, pp. 66-74, 1959.
4025. CHRISTIANSEN (M. P.). Danish resupinate fungi. Part I. Ascomycetes and Heterobasidiomycetes. - Dansk. bot. Ark., 19, 1, pp. 1-55, 46 fig., 1959. [46 taxa incl. 4 n. spp. and 2 n. comb.]
4026. HANSEN (E. B.). Mykologisk Kongres i Femmøller. 21 - 23 September 1957. - Friesia, 6, 1957-8, 1-2, pp. 126-130, 1959.
4027. HANSEN (E. B.). Svampe-ekskursion til Hornbæk Plantage - 30 September 1956. - Bot. Tidsskr., 53, 3, p. 353, 1957. [Agarics etc.]
4028. HOFGAARD (E.). Studier over forekomsten af nogle svampeslaegter i luftvejene. - 138 pp., 15 diag., København, J. Jørgensen & Co. Bogtrykkeri A/5, 1958.
4029. LANGE (M.). Mykologisk kongres på sydfyn, 4-5 September 1954. - Friesia, 6 (1957-8), 1-2, pp. 14-77, 1959.
4030. LANGE (M.). Mykologisk kongres på Lolland-Falster 6 - 8 Oktober 1956. - Op. cit., 6, 1957-8, 1-2, pp. 108-112, 1959.
4031. LANGE (M.). Ekskursion til Tisvilde søndag den 6 Oktober 1957. - Bot. Tidsskr., 54, 1, pp. 84-85, 1958. [Agarics etc.]
4032. TROYER (S.) et al. Generalforsamling i 1956. - Friesia, 6 (1957-8), 1-2, pp. 89-107, 1959.

Estonia

4033. KALAMEES (K.). Huvitavamate seente leide Eestist I. - Flor. Märk., 1, 1, pp. 20-24, 1958. [Estonian. 23 spp. mostly basidiomycetes.]
4034. LEISNER (T.). Omapäraseid ja huldasi seeni Eesti looduses. - Eesti Loodus, 1959, 5, pp. 305-306, 1 fig., 1959. [Larger fungi.]
4035. PARMAS TO (E.). Eesti seente eksikaat. Mycotheca Estonica. - 18 pp., Tartu, Institute of Zoology and Botany of the Academy of Sciences of the Estonian S.S.R., 1959. [Latin. Nos. 26-50]
4036. PARMAS TO (E.). Eestile uusi seeneliike I. - Flor. Märk., 1, 1, pp. 15-19, 1 map, 1958. [Estonian. 23 spp. mostly basidiomycetes, all new records for the country.]
4037. RAITVIIR (A.). Märkmeid Rutja ümbruse parasiitseenestiku kohta. - Op. cit., 1, 2, pp. 67-69, 1958. [Estonian. 14 spp. all groups]

Faeroes See No. 4775France See also Nos. 4391-2, 4487, 4498-501

4038. LACHMANN (A.). Micromycètes parasites reconnus en Bourbonnais. - Bull. Soc. bot. Fr., Mém., pp. 63-74, 1959.
4039. MOREAU (C.) & MOREAU (Mireille). Pollution fongique de l'atmosphère. - Bull. Soc. mycol. Fr., 71, 1, pp. 72-79, 1959.
4040. PARROT (A.G.). Champignons du Pays Basque (Huitième contribution). - Op. cit., 75, 1, pp. 80-88, 1959. [Larger fungi]
4041. VIENNOT-BOURGIN (G.) & BONDOUX (P.). Les Micromycètes recueillis au cours de la 84^e session extraordinaire. - Bull. Soc. bot. Fr., 105, 84^e Sess. excur. Jura, pp. 62-71, 1958.

Germany

4042. ANON. Treffen der Mecklenburgischen Pilzfloristen. - Z. Pilzk., 24, 1, pp. 21-22, 1958.
4043. BÜRGENER (O.) & BUHR (H.). Ergänzungen zur Kenntnis der Peronosporaceen und Erysiphaceen Mecklenburgs. - Arch. Fr. Natgesch. Mecklenb., 4, pp. 89-94, 1958.
4044. EBERT (P.). Das Geopyxidatum carbonariae, eine carbophile Pilzassoziation. - Z. Pilzk., 24, pp. 32-44, 2 fig., 1958.
4045. HAAS (H.). Tagung der Deutschen Gesellschaft für Pilzkunde in Neustadt (Weinstrasse) vom 27.-30. 8. 1958. - Op. cit., 24 (1958), 3-4, pp. 93-96, 1 fig., 1959.
4046. HAAS (H.). Die Pilzflora der Tannenmischwälder an der Muschelkalk-Buntsandstein-Grenze des Ostschwarzwaldes. - Op. cit., 24 (1958), 3-4, pp. 61-67, 1 map, 1959.
4047. KOHLMAYER (J.). Neufunde holzbesiedelnder meerespilze. - Nova Hedwigia, 1, 1, pp. 77-100, 4 pl. (19 fig.), 1959. [14 spp. including 1 n. gen., 1 n. sp.]
4048. KREISEL (H.). Beitrag zur Pilzflora der Inseln Rügen und Hiddensee. - Arch. Nat. Meckl., 3, pp. 109-128, 1957.
4049. RAUSCHERT (S.). Bemerkenswerte Pilzvorkommen in den Trockenrasen Mitteldeutschlands. - Z. Pilzk., 24 (1958), 3-4, pp. 61-67, 1 map, 1959. [12 spp.]
4050. REIMERS (H.) & SCHOLZ (H.). Brand- und Rostpilze aus dem Gardasee-Gebeit. - Willdenowia, 2, 2, pp. 151-162, 1959. [2 smuts, 22 rusts.]

4051. STRAUS (A.). Beiträge zur Pilzflora der Mark Brandenburg. II. - Op. cit., 2, 2, pp.231-287, 1959. [All groups - a long list.]

Great Britain See also Nos.4156,4843

4052. GOODMAN (P. J.). The possible role of pathogenic fungi in die-back of *Spartina townsendii* Agg. - Trans. Brit. mycol. Soc., 42, 4, pp.409-415, 1959. [10 spp.]
4053. HENDERSON (D.M.). Report of the Cryptogamic section, 1958. - Trans.bot. Soc. Edinb., 37 (1957-8), 4, pp.291-292, 1959. [Agarics and rusts.]
4054. HORA (F.B.). Quantitative experiments on toadstool production in woods. - Trans. Brit. mycol. Soc., 42, 1, pp.1-14, 1 pl., 1 fig., 2 diag., 4 graphs, 1959.
4055. MACDONALD (J.A.). The larger fungi of St. Andrews sand dune and links area. - Trans. bot. soc. Edinb., 38, pp.135-140, 1959.
4056. MOORE (W.C.). British parasitic fungi. - xvi + 430 pp., Cambridge University Press, 1959.
4057. SEWELL (G.W.F.). Studies of fungi in a Calluna-heathland soil. I. Vertical distribution in soil and on root surfaces. - Trans. Brit. mycol. Soc., 42, 3, pp.343-353, 3 diag., 1959.
4058. SEWELL (G.W.F.). Ibid. II. By the complementary use of several isolation methods. - Op. cit., 42, 3, pp.354-369, 1 diag., 1 graph, 1959.

Greece See No.4134

Hungary

4059. BABOS (M.). (The effect of the exceedingly rainy, subatlantic character of the summer weather of 1955 on the fungus vegetation, with special reference to the occurrence of rare species.) - Bot. Kozl., 47, 3-4, pp.297-311, 1958. [Hung.]
4060. TÓTH (S.). Some new and interesting microscopic fungi. - Acad. Rep. Pop. Rom., pp.777-781, 4 fig., 1959. [6 spp. (3 new).]

Iceland

4061. HAGEN (A.). Noen islandske parasittopper. - Friesia, 6 (1957-58), 1-2, pp.16-19, 1959. [2 Peronosporales, 7 rusts, 4 smuts.]
4062. URBAN (Z.). A study on the rusts and smuts collected in south-west Iceland. - Acta Univ. Carolina Biol., 1958, 3, pp.305-349, 1958.

Italy.

4063. MOSCA (Anna M.). Ricerche sulla micoflora del terreno di una valletta nivale nel Parco Nazionale del Gran Paradiso. - Allionia, 3, 2, pp.83-107, 1 diag., 1 map, 1957. [37 spp.]

Latvia

4064. PETERSON (E.). (Edible and poisonous fungi of Latvian SSR). - In Akad. Natu. Latv.SSR, pp.51-52, 1957. [Russian]

Malta

4065. WHEELER (B.E.J.). A plant disease survey of Malta. - 30 pp., Department of Information, Malta, [?1958. Multilithed.] 6d.

Netherlands

4066. BAS (C.). Peel-paddestoelen. - Coolia, 6, 4, pp.25-28, 2 fig., 1959.

Poland

4067. KINELSKA (Jaświga) & ROŚLIK (Danuta). Grzyby wyższe zebrane w 1955 R. W. rezerwacie modrzewiowym w Małej Wsi. - Monogr. Bot., 8, pp. 143-151, 1959. [A list of 121 spp.]
4068. MICHALSKI (A.). Grzyby pasożytnicze okolic Żegiestowa-Zdroju. - Op. cit., 8, pp. 236-243, 1959. [77 spp. microfungi.]
4069. NESPIAK (A.). Studia nad udziałem grzybów kapeluszowych w zespołach leśnych na terenie Białawieskiego Parku Narodowego. - Op. cit., 8, pp. 3-141, 11 graphs, 1 map, 1959. [425 spp. mostly Basidiomycetes.]
4070. SKIRGIEŁŁO (Alina.). Notatki mikologiczne x okolic Krościenka nad Dunajcem. - Op. cit., 8, pp. 229-235, 2 fig., 1959. [85 spp.]

Portugal.

4071. DA COSTA (Maria E.A.P.). Species aliquae mycologicae Lusitaniae. - Portug. Acta Biol., 6, Sér. B, 3-4, pp. 219-231, 1959. [37 taxa]

Romania

4072. ANON. Starea fitosanitară în Republica Populară Română în anii 1955-1956 și 1956-1957. - Met. Inst. Cerc. Agron. Acad. Repub. Rom. N.S., 1959, 31, 197 pp., 7 fig., 1959.
4073. CRIȘAN (Aurelia). Cîteva specii de micromicete noi pentru R.P.R. - Contr. bot. Cluj, 1958, pp. 73-77, 2 fig., 1958. [7 spp.]
4074. KOTLABA (F.). Příspěvek k mykofloře Rumunska. - Čes. Mykol., 13, 3, pp. 141-152, 9 fig., 1959. [1 ascomycete, 54 basidiomycetes.]
4075. NEGRU (A.). Contribuții micologice din Transilvania. - In Omagiu lui Traian Săvulescu, pp. 529-536, 2 fig., București, Editura Academiei Republicii Populare Române, 1959. [20 taxa, including 3 n. spp. *Amerosporium săvulescui*, *Colletotrichum săvulescui*, and *Cryptosporium săvulescui*]
4076. NEGRU (A.). (New and rare species of fungi in the Romanian People's Republic.) - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp. 213-224, 1959. [Russian. 43 spp., 2 new.]
4077. NEGRU (A.). Material micologic din Transilvania. - Contr. bot. Cluj, 1958, pp. 59-79, 1 fig., 1958. [27 spp. including *Phyllosticta alternantherae* and *Diplodina ginkgonis* n. spp.]
4078. NEGRU (A.). Cîteva noutăți pentru flora micologică din R.P.R. - Stud. Univ. Victor Babeș Bolyai, Ser. 2, 3, 7 (fasc. 2), pp. 13-25, 5 fig., 1958. [26 spp. including 3 new.]
4079. SANDU-VULLE (C.). Contribuții la cunoașterea micromycetelor din R.P.R. - [In Omagiu lui Traian Săvulescu, pp. 829-844, 11 fig., București, Editura Academiei Republicii Populare Române, 1959. [16 taxa including 4 new spp.]
4080. SĂVULESCU (Olga) & ELIADE (E.). Contributie la cunoașterea micromycetelor din Republica Populară Română. - In Omagiu lui Traian Săvulescu, pp. 683-698, 16 fig., București, Editura Academiei Republicii Populare Române, 1959. [14 taxa including *Coleroa rhododendri*, n. comb.]
4081. SEVCENCO (V.) & POPA (E.). Cîteva noutăți micologice din flora țării noastre. - An. Univ. C.I. Parhon, Ser. științ. natur., 1958, 20, pp. 131-136, 1958. [New records for Romania]. Abs. in Referat Zh. Biol., 1960, 4, p. 107, 1958.
4082. URBAN (Z.). Ein kleiner Beitrag zu den Kleinpilzen der Rumänischen Volks-Republik. - In Omagiu lui Traian Săvulescu, pp. 801-810, 1 fig., București, Editura Academiei Republicii Populare Române, 1959. [21 taxa including *Botryodiplodia săvulescui*, n. sp.]

Sweden See also No. 4463

4083. KÄÄRIK (Aino) & RENNERFELT (E.). Investigations on the fungal flora of spruce and pine stumps. - Medd. Skogs Forskn. Inst., Stockh., 47, 7, 88 pp., 16 pl., 19 fig., 1957.
4084. LUNDELL (S.) & NANNFELDT (J. A.). Fungi exsiccati Suecici praesertim Upsalienses. - Fasc. 51/52, Uppsala, 1958.

Yugoslavia

4085. KOLEVA-ŠEKUTOVSKA (Mme M.). Prilog poznavanju parazitne flore N.R. Makedonije. - Zash. Bilja (Plant Prot., Beograd), 1959, 51, pp. 107-117, 1959. [120 spp.]
4086. ŠARIĆ-SAVODOSŠ (Ana). Prilog poznavanju mikoflore nekih Jugoslavenskih rudnika ugljena. - Acta bot. croat., 16, pp. 113-128, 11 fig., 1957. [40 spp. from mines.]

SOUTH AMERICA See also 4509-10

Bolivia See No. 4403

Brazil

4087. MARMO (J. C.). Principais eumicetos patogênicos em atagne a plantas cultivadas na região de Piracicaba, estado de S. Paulo. - Rev. Agric., Piracicaba, 34, 4, pp. 245-256, 1959. [33 taxa.]

Venezuela See No. 4577

NOMENCLATURE

4088. LUTTRELL (E. S.). The function of taxonomy in mycology. - Mycologia, 50, (1958), 6, pp. 942-944, 1958.
4089. GOLOVIN (P. N.). (The concept of species in Mycology.) - ex The Problem of Species in Botany. I. Moscow-Leningrad, Academy of Sciences of the U.S.S.R., pp. 34-67, 1958. [36 ref. Russ.]
4090. HOLM (L.). Some remarks on Meschinelli's fungus-names. - Taxon, 8, 2, pp. 66-67, 1959.
4091. SHENEFELT (R. D.). Taxonomic 'descriptions'. - Science, 130, 3371, p. 331, 1959.

CULTURES, DISTRIBUTION

4092. ANON. An additional list of cultures, maintained in the Japanese Type Culture Collection, Nagao Institute, Tokyo, Japan. Supplement IV. (Jan. 1955 - April 1959.) - Nagaoa, 6, pp. 88-96, 1959.
4093. ANON. Catalogue de la mycothèque de la Division de Biologie. - 8 pp., Paris, Centre Technique du bois, 1958.
4094. TUBAKI (K.). Fungus cultures preserved by mineral oil method. - Trans. mycol. Soc. Japan, 2, 2, pp. 13-14, 1959. [Jap.]
4095. VAN BEVERWIJK (Agathe L.). The Centraalbureau voor Schimmelcultures. Half a century's experience with mould cultures. - Leeuwenhoek J. Microbiol. Serol., 25, 1, pp. 1-20, 1 fig., 1 map, 1959.
4096. WILLIAMS (C. N.). Spore size in relation to culture conditions. - Trans. Brit. mycol. Soc., 42, 2, pp. 213-222, 8 graphs, 1959.

OBITUARIES

4097. AINSWORTH (G. C.). James Thompson Duncan, F.R.C.S. Ir., D.T.M. & H. 1884-1958. - Trans. Brit. mycol. Soc., 42, 1, pp. 121-122, 1 pl., 1959.

4098. DEMEREC (M.). Albert Francis Blakeslee. - Genetics, 44, 1, pp.1-4, 1 pl., 1959.
4099. GREGORY (P.H.). Dr Guy Richard Bisby (1889-1958). - Trans. Brit. mycol. Soc., 42, 2, pp.129-131, 1 pl., 1959.
4100. JOHNSON (T.). Guy Richard Bisby 1889-1958. - Phytopathology, 49, 6, p.323, 1 fig., 1959.
4101. MALENÇON (G.). André Maublanc 1880-1958. - Z. Pilzk., 24 (1958), 3-4, pp.96-97, 1959.
4102. MÖLLER (F.H.). Vilhelmine Christensen 28 Juli 1888 - 30 Juni 1957. - Friesia, 6 (1957-8), 1-2, pp.47-48, 1959.
4103. PEYRONEL (B.). Francesco Sappa. - Allionia, 3, 2, pp.II-XIV, 1 pl., 1957.
4104. SINNOTT (E.). Albert Francis Blakeslee (November 6, 1874 - December 16, 1954). - Biogr. Mem. nat. Acad. Sci., 33, pp.1-38, Portrait, 1959.
4105. VIENNOT-BOURGIN (G.). André Maublanc (1880-1958). - Bull. Soc. bot. Fr., Mém., pp.86-89, 1 fig., 1959.

ACTINOMYCETALES

4106. BALDACCI (E.). (The extension of the classification of actinomycetes) - Microbiology, Moscow, 28, 2, pp.274-286, 1959. [Russian.]
4107. BALDACCI (E.). Comments on G.F.Gause's classification of the Actinomyces species. - G. microbiol., 4, 1, pp.41-46, 1957.
4108. FROMMER (W.). Zur Systematik der Actinomycin bildenden Streptomyceten. - Arch. Mikrobiol., 32, 2, pp.187-206, 4 fig., 1959. [3 n.spp.]
4109. HAGEDORN (H.). Licht-und elektronenmikroskopische untersuchungen an *Nocardia corallina* (Bergey et al. 1923). - Zbl. Bakt., Abt. 2, 112, 6-10, pp.214-225, 15 fig., 1 diag., 1959. [German.]
4110. HILPERT (F.). Einfluss niederer relativen Dampfspannung auf Streptomyceten. - Naturwissenschaften, 46, 22, p.630, 1959.
4111. HÜTTER (R.). Identification of streptomycetes. - Int. Bull. bact. Nom. Taxon., 9, 1, pp.31-34, 1959.
4112. ITAGAKI (S.), FURUKAWA (M.) & KINOSHITA (S.). The morphological observations with the electron microscope on the spores of Streptomyces. - Bot. Mag., Tokyo, 72, 857-858, pp.466-473, 16 pl., 10 fig., 1959. [Jap.]
4113. KALAKUTSKII (L.V.). (On the new genus of the Actinomycetales - *Waksmania* gen. nov. L.A.L.). - Microbiology, Moscow, 28, 5, pp.655-657, 1959. [Russian.]
4114. KINOSHITA (S.) & ITAGAKI (S.). Studies on the nucleus of the spore in Streptomyces. Part II. Observations on the nuclear substances of the spore in Streptomyces which belong to B and C groups. - Bot. Mag., Tokyo, 72, 847, pp.1-9, 2 pl., 1959. [16 spp.]
4115. KOCKOVÁ-KRATOCHVÍLOVÁ (Anna) & SVOBODOVÁ-POLÁKOVÁ (Yvonne). *Nadsonia slovakia* n.sp. isolated in Slovakia. - J. gen. Microbiol., 20, 1, pp.24-26, 1 pl., 1959.
4116. KRASSILNIKOV (N.A.). La classification des actinomycètes par la méthode de la variation expérimentale. - Ann. Inst. Pasteur, 96, pp.434-447, 1959.
4117. KÜSTER (E.). Protocol of the 'Round Table conference on Streptomyces' on the occasion of the 7th International Congress on Microbiology, Stockholm, August 4-5, 1958. - Int. Bull. bact. Nom. Taxon., 9, 1, pp.15-26, 1959.

4118. LIANG (S.-F.), TSIA (J.-S.), SHEN (L.-C.), & KURYŁOWICZ (W.). (The use of immunological and immunochemical methods for the identification and classification of species of the genus *Streptomyces*.) - Med. dośw. mikrobiol., 10, 1, pp.91-103, 1958. [Polish.]
4119. MORUZI (C.). Actinomycetele. - An. Român. Sov.Ser.biol., 12, 2, pp.31-52, 1958. [Rumanian]
4120. ROACH (A.W.) & SILVEY (J.K.G.). The occurrence of marine actinomycetes in Texas Gulf coast substrates. - Amer. Midl. Nat., 62, 2, pp.482-499, 8 fig., 5 graphs, 1 map, 1959. [No names.]
4121. SHINOBU (R.) & KAWATO (M.). On *Streptomyces massasporeus* nov. sp. - Bot. Mag., Tokyo, 72, 853-854, pp.283-288, 3 fig., 1959.
4122. STEINMAN (I.D.). Pigmentation in selected strains of *Streptomyces* with particular reference to polyenes and porphyrins. - Diss. Abstr., 20, 1, pp.34-35, 1959. [*S. fradiae*, *S. lavendulae*, *S. aureus*.]
4123. SZABO (I.) & MARTON (M.). (On new actinomycete species, *Streptomyces vastus* and *Streptomyces viridoniser*. Study of the microflora of alkaline earths). - Agrokém. es Talajtan, 7, 3, pp.243-262, 1958. [Hung.]
4124. TENDLER (M.D.). Studies on thermophilic Actinomycetes. - Bull. Torrey bot. Cl., 86, 1, pp.17-30, 1 graph, 1959. [Over 100 isolates.]
4125. WAKSMAN (S.A.). Classification of the Actinomycetes, in particular *Streptomyces griseus*. - Microbiology, Moscow, 28, 5, pp.789-793, 1959.
4126. WELSCH (M.). Remarks on the classification of *Streptomyces*. - Int. Bull. bact. Nom. Taxon., 9, 1, pp.27-29, 1959.

MYXOBACTERIALES

4127. MASUDA (S.). Studies on the Myxobacteriales in Japan I. On *Chondromyces aurantiacus* (Berkeley and Curtis) Thaxter. - Nagaoa, 6, pp.44-51, 5 fig., 1959.

ACRASIALES

4128. BONNER (J.T.). The cellular slime molds. - viii + 150 pp., 8 pl., 13 fig., Princeton University Press, Princeton, 1959.
4129. ENNIS (H.L.) & SUSSMAN (M.). The initiator cell for slime mold aggregation. - Proc. nat. Acad. Sci. Wash., 44, 5, pp.401-411, 1958. [*Dictyostelium discoideum*.]
4130. FILOSA (M.F.). Heterocytosis in cellular slime molds. - Diss. Abstr., 19, 8, p.1901, 1959. [*Dictyostelium mucoroides* and 4 other strains.]

LABYRINTHULALES

4131. ASCHNER (M.) & KOGAN (Shulamit). Observations on the growth of *Labyrinthula macrocystis*. - Bull. Res. Coun. Israel, Sect.D, 8, 1, pp.15-24, 3 pl. (4 fig.), 4 fig., 1959.

MYXOMYCETES

4132. AGNIHOTHRUDU (V.). Notes on fungi from North-East India. IV. Myxomycetes. - J. Indian bot. Soc., 38, 3, pp.418-451, 90 fig., 1959. [26 spp.]
4133. AL-DOORY (Y.). Myxomycetes from Iraq. - Mycologia, 51, 2, pp.299-300, 1959. [3 spp.]
4134. ALEXOPOULOS (C.J.). Myxomycetes from Greece. - Brittonia, 11, 1, pp.25-40, 14 fig., 1 map, 1959.
4135. ALEXOPOULOS (C.J.). The laboratory cultivation of *Stemonitis*. - Amer. J. Bot., 46, 2, pp.140-142, 4 fig., 1959. [*S. ?flavogenita*.]

4136. DRESDEN (C. F.). Pigments of *Physarum polycephalum*. - Diss. Abstr., 20, 3, pp.869-870, 1959.
4137. EMOTO (Yoshikadzu) & KATO (Kimio). Myxomycetes found in Akita Prefecture I. - J. Jap. Bot., 34, 2, pp.60-64, 1 map, 1959. [Japanese. 17 spp.]
4138. EMOTO (Yoshikadzu) & KATO (Kimio). Ibid. 2. - Op. cit., 34, 3, pp.67-71, 1959. [Japanese. Nos.18-35.]
4139. EMOTO (Yoshikadzu) & KATO (Kimio). Ibid. 3. - Op. cit., 34, 3, pp.97-99, 1959. [Japanese. Nos.36 -]
4140. KERR (N.S.). The growth and development of the true slime mold, *Didymium nigripes*. - Diss. Abstr., 19, 6, p.1175, 1958.
4141. LOCQUIN (M.). L'observation au microscope electronique des structures fines des Myxomycetes. - Friesia, 6, 3, pp.164-166, 2 pl., 1959.
4142. MARTIN (G.W.), THIND (K.S.) & REHILL (P.S.). The Myxomycetes of the Mussoorie Hills (India). X. - Mycologia, 51, 2, pp.159-162, 2 fig., 1959. [Nos.66-67, 2 n. spp.]
4143. NANNENGA (N.E.). Collecting Myxomycetes. - Levende Nat., 61, 11, pp.243-252, 1958.
4144. SKULBERG (O.M.). Notiz über *Didymium nigripes* (Myxomycetes) aus einer Abwasserbiozönose. - Schweiz. Z. Hydrol., 20, 2, pp.210-217, 1958.
4145. THIND (K.S.) & MANOCHA (M.S.). The Myxomycetes of the Mussoorie Hills. VIII. - Indian Phytopath., 10 (1957), 2, pp.97-106, 7 fig., 1958. [nos.49-55].
4146. THIND (K.S.) & MANOCHA (M.S.). Ibid. IX. - Op.cit., 11, 1, pp.10-22, 1958. [Nos.56-65.]
4147. THIND (K.S.) & REHILL (P.S.). Ibid. VII. - Op. cit., 10 (1957), 2, pp.86-96, 1 pl., 7 fig., 1958. [Nos.41-48.]
4148. THIND (K.S.) & REHILL (P.S.). Ibid. XI. - Op. cit., 11, 2, pp.96-109, 9 fig., 1958. [Nos.68-76]
4149. THIND (K.S.) & REHILL (P.S.). Ibid. XII. - Op. cit., 12, 1, pp.33-34, 9 fig., 1959. [Nos.77-84]
4150. WICHANSKÝ (E.). Dva druhy vlněnek - *Arcyria nutans* Grev. a *Arcyria cinerea* Pers. - vkinského sadech. - Čes. Mykol., 13, 1, pp.50-52, 1959.
4151. WICHANSKÝ (E.). Přehled českých druhů rodu *Lycogala* - vlčí mléko. - Op. cit., 13, 4, pp.223-226, 2 fig., 1959. [3 spp.]

PHYCOMYCETES

4152. CEJP (K.). Contribution to the knowledge of the keratinophilic Phycomycetes. - In Omaggio lui Traian Săvulescu, pp.129-138, 8 fig., Bucuresti, Editura Academiei Republicii Populare Romîne, 1959. [10 taxa including *Phlyctidium keratophilum*, n. var.]
4153. COOKE (W.B.) & BARTSCH (A.F.). Aquatic fungi in water with high waste loads. - Sewage industr. Wastes, 31, 11, pp.1316-1322, 1959.
4154. EMERSON (R.). Mycological organization. - Mycologia, 50 (1958), 5, pp.589-621, 9 fig., 1959.
4155. HARDER (R.) & GALLWITZ-UEBELMESSER (Esther). Über niedere Erdphycomyceten Australiens. - Arch. Mikrobiol., 32, 2, pp.115-126, 1 graph, 1959. [34 spp. chytrids, 11 other spp. of oomycetes.]

4156. PERROTT (Elizabeth). British records, 29-38. *Apodachlya minima*, *A. brachynema*, *A. punctata*, *A. pyrifer* var. *macrosporangia*, *A. seriata*, *Araiospora pulchra*, *Mindeniella spinospora*, *Rhipidium parthenosporum*, *Gonopodya prolifera*, *Olpidiopsis vexans*. - Trans. Brit. mycol. Soc., 42, 1, pp. 115-117, 1959.
4157. PERROTT (Elizabeth P.). Observations on the ecology of some aquatic Phycomycetes. - Abs. in Trans. Brit. mycol. Soc., 42, 3, pp. 399-400, 1959.
4158. SPARROW (F.K.). Interrelationships and phylogeny of the aquatic Phycomycetes. - Mycologia, 50, (1958), 6, pp. 797-813, 1 fig., 1959.
4159. SPARROW (F.K.) & KOCH (W.J.). Additions to the Phycomycete flora of the Douglas Lake region. IV. New records and notes for 1956 - 1957. - Pap. Mich. Acad. Sci., 44 (1958), pp. 153-161, 1 pl., 1959. [Mostly chytrids.]
4160. TUNKINA (Mme T. V.). (*Peronospora* fungi of Apsheeron.) - Trud. Inst. Bot. [Acad. Sci. Azerb. S.S.R.], 19, pp. 67-111, 9 fig., 1955. [23 ref.] Russ., Azerb. summ. *Peronospora echinopsili* n. sp., *P. uljanishchevii* n. sp.; 3 spp. *Cystopus*, *Plasmopara viticola*, *Bremia lactucae* and 26 spp. *Peronospora*.]

PLASMIDIOPHORALES

4161. MILLER (C. E.). Studies on the life cycle and taxonomy of *Ligniera verrucosa*. - Amer. J. Bot., 46, 10, pp. 725-729, 24 fig., 1959.

TRICHOMYCETES

4162. MANIER (Jehanne-Francoise). *Orchesellaria latesi* n. g. n. sp. trichomycète rameux *Asellariidae* commensal d'un aptérygote collemboule *Orchesella villosa* L. - Ann. Sci. nat. zool., Ser. 11, 20, 2, pp. 131-139, 3 fig., 1958.

CHYTRIDIALES

4163. CANTER (Hilda M.). Fungal parasites of the phytoplankton IV. *Rhizophidium contractophilum* sp. nov. - Trans. Brit. mycol. Soc., 42, 2, pp. 185-192, 4 fig., 1959.
4164. GOLDSTEIN (S.). The comparative nutrition of five chytridiaceous fungi. - Diss. Abstr., 20, 5, p. 1554, 1959.
4165. HEIM (Panca). Sur l'évolution nucléaire du *Spongospora* qui produit les tumeurs de racines du Cresson. - C.R. Acad. Sci., Paris, 248, 22, pp. 1199-1201, 1959.
4166. JOHNS (R. M.). A study of *Physoderma dulichii* Johns. - Diss. Abstr., 19, 6, p. 1183, 1958.
4167. KARLING (J. S.). *Synchytrium namae* Karl. - Sydowia, 12 (1958), 1-6, pp. 44-49, 15 fig., 1959.
4168. KARLING (J. S.). *Synchytrium vaccinii*. - Op. cit., 12 (1958), 1-6, pp. 149-159, 10 fig., 1959.
4169. KARLING (J. S.). *Olpidium synchytrii* sp. nov., a parasite of *Synchytrium namae*. - Mycologia, 50 (1958), 6, pp. 944-947, 8 fig., 1959.
4170. KOCH (W. J.). Aquatic phycomycetes of the Highlands Region. - Abs. in A. S. B. Bull., 6, 2, pp. 27-28, 1959. [Of N. Carolina; genera only].
4171. LINGAPPA (Yamuna). The development and cytology of the epibiotic phase of *Physoderma pulposum*. - Amer. J. Bot., 46, 3, pp. 145-150, 14 fig., 1959.
4172. LINGAPPA (Yamuna). Development and cytology of the endobiotic phase of *Physoderma pulposum*. - Op. cit., 46, 4, pp. 233-240, 31 fig., 1959.

4173. LINGAPPA (Yamuna). Sexuality in *Physoderma pulposum* Wallroth. - Mycologia, 51, 2, pp.151-158, 55 fig., 1959.
4174. LITVINOV (M.). (Criteria of species in Chytridiales). - ex The species problem in botany I. Moscow-Leningrad, Acad. Sci. U.S.S.R., pp.68-84, 1958. [Russian.]
4175. LITVINOV (M. A.). (On the systematics of the genus *Olpidium* (Braun) Rabenhorst). - Ex *Plantae cryptogamae*, Acta Inst. bot. Acad. Sci. U.R.S.S., Ser. II, 12, pp.188-212, 1959. [Russ. 43 spp.]
4176. MULLINS (J. T.). The rediscovery of the chytrid, *Pringsheimiella dioica*. - Abs. in A.S.B. Bull., 6, 2, p.30, 1959.
4177. PERSIEL (Ingetraud). Über *Phlyctochytrium reinboldtae* n. sp. - Arch. Mikrobiol., 32, 4, pp.411-415, 1 fig., 1959.
4178. WILLOUGHBY (L. G.). A pure culture of *Chytrium aureus* Karling. - Trans. Brit. mycol. Soc., 42, 1, pp.67-71, 1 pl., 1 fig., 1959.
4179. WILLOUGHBY (L. G.). Studies on soil chytrids. IV. A chytrid parasite of Rotifer eggs. - Op. cit., 42, 3, pp.292-294, 1 fig., 1959. [*Rhizophydium* sp.]

BLASTOCLADIALES

4180. ARONSON (J. J.) & MACHLIS (L.). The chemical composition of the hyphal walls of the fungus *Allomyces*. - Amer. J. Bot., 46, 4, pp.292-300, 4 fig., 1 graph, 1959.
4181. KATO (Kimio). On the life-history of a strain of *Allomyces cystogenus*. Studies on the life-history of the *Allomyces* obtained in Japan (2). - J. Jap. Bot., 34, 4, pp.100-110, 2 pl., 2 fig., 1959. [Japanese. English summary.]
4182. LAIRD (M.). Fungal parasites of mosquito larvae from the Oriental and Australian regions, with a key to the genus *Coelomomyces* (Blastocladales: Coelomomycetaceae). - Canad. J. Zool., 37, 5, pp.781-791, 8 fig., 1959. [6 taxa, including 2 n.spp. and 1 n.var.]
4183. MACHLIS (L.). Evidence for a sexual hormone in *Allomyces*. - Physiol. Plant., 11, 1, pp.181-192, 3 fig., 1958.
4184. NAGAI (M.) & KOBAYASHI (T.). Notes on Japanese species of Blastoclada. - J. Fac. Agric. Univ. Iwate, 4, 2, pp.115-125, 1959.
4185. WILLOUGHBY (L. G.). A species of *Blastocladiella* from Great Britain. - Trans. Brit. mycol. Soc., 42, 3, pp.287-291, 1 pl. (5 fig.), 1 fig., 1959.

LEPTOMITALES, MONOBLEPHARIDALES, and SAPROLEGNIALES

4186. BENJAMIN (R. K.). On the relation of the sexual and non-sexual phases of *Gonapodya*. - Mycologia, 50 (1958), 5, pp.789-792, 3 fig., 1959.
4187. DICK (M. W.). Seasonal fluctuations in Saprolegniaceae. - Abs. in Trans. Brit. mycol. Soc., 42, 3, p.399, 1959.
4188. NAGAI (M.) & TAKAHASHI (S.). (Electron microscope observations on *Saprolegnia diclina* Humphrey.) - Abs. in Ann. phytopath. Soc. Japan, 24, 1, p.27, 1959. [Jap.]
4189. SCOTT (W. W.). A monograph of the genus *Aphanomyces*. - Diss. Abstr., 19, 12, p.3100, 1959. [3 subgenera suggested and 3 n.spp.named.]
4190. SHIBUYA (Y.). (On some species of Saprolegniaceae found in the Sanshira pond in the University of Tokyo.) - J. Jap. Bot., 34, 5, pp.146-151, 5 fig., 1959. [Japanese. 5 spp.]
4191. WILLOUGHBY (L. G.). The quantitative assessment of spores of Saprolegniales occurring in natural bodies of fresh water. - Abs. in Trans. Brit. mycol. Soc., 43, 2, p.400, 1959.

4192. STUEHLING (J. J.) & ZIEGLER (A. W.). Weston's leptomitaceous fungus in Florida. - Mycologia, 50 (1958), 6, pp.947-948, 1959. [No name.]
4193. ZIEGLER (A. W.). The Saprolegniaceae of Florida. - Mycologia, 50 (1958), 5, pp.693-696, 1959. [45 spp. listed.]

PERONOSPORALES

4194. BYWATER (Joan) & HICKMAN (C. J.). A new variety of *Phytophthora erythroseptica*, which causes a soft rot of Pea roots. - Trans. Brit. mycol. Soc., 42, 4, pp.513-524, 4 fig., 2 graphs, 1959. [P. e. var. *pisi*]
4195. GOLENIA (A.). *Peronospora alta* Fuckel i *P. plantaginis* Burrill in Underwood emend. na Babce zwyczajnej *Plantago major* L. w Polsce. - Monogr. Bot., 8, pp.221-228, 2 fig., 1959.
4196. GOLOVINA (Mme N. P.). (A new species of *Peronospora*.) - Bot. Mater. (Notul. Syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp.153-154, 1 fig., 1959. [Russian. *Peronospora cardariae-repentis*.]
4197. GRÜNZEL (H.). Studien zur Taxonomie und Nomenklatur des falschen mehltaus der Weinreben (*Peronospora viticola* de Bary). - Zbl. Bakt., Abt. 2, 112, 11-15, pp.454-472, 2 fig., 1959.
4198. GUSTAVSSON (A.). Studies on the oospore development in *Peronospora*. - Bot. Notiser, 112, 1, pp.1-16, 8 pl., 1959.
4199. GUSTAVSSON (A.). Studies on nordic *Peronosporas*. I. Taxonomic revision. - Bot. Notiser, Op. Bot., 3, 1, pp.1-271, 28 graphs, 1959. [Some new spp.]
4200. GUSTAVSSON (A.). Ibid. II. General account. - Op. cit., 3, 2, pp.1-61, 3 graphs, 1959.
4201. JAFAR (H.). Discovery of the genus *Basidiophora* Roze et Cornu in New Zealand. - N. Z. J. agric. Res., 2, 2, pp.249-251, 1 fig., 1959.
4202. KALE (G. B.) & PRASAD (N.). *Phytophthora* blight of Sesamum. - Indian Phytopath., 10, 1, pp.38-47, 4 fig., 1957. [P. *parasitica* var. *sesamum* n. var.]
4203. MATHUR (S. B.) & SINHA (S.). A new species of *Peronospora* on *Euphorbia hypericifolia* L. - Indian Phytopath., 11, 2, pp.191-193, 4 fig., 1958. [P. *hypericifoliae*]
4204. ORELLANA (R. G.). Variation in *Phytophthora palmivora* isolated from Cacao and Rubber. - Phytopathology, 49, 4, pp.210-213, 3 fig., 1 graph, 1959. [P. *palmivora* var. *theobromae* and var. *heveae* n. combs.]
4205. SCHWINN (F. J.). Untersuchungen zur Systematik der Gattung *Phytophthora* de Bary. - Arch. Mikrobiol., 33, 3, pp.223-252, 1959.
4206. WOLF (F. T.). *Peronospora parasitica* on *Leavenworthia*. - J. Tenn. Acad. Sci., 34, 1, pp.3-4, 1959.
4207. YERKES (W. D.) & SHAW (C. G.). Taxonomy of the *Peronospora* species on Cruciferae and Ctenopodiaceae. - Phytopathology, 49, 8, pp.499-507, 1959.

MUCORALES

4208. BENJAMIN (R. K.). The merosporangiferous Mucorales. - Aliso, 4, pp.321-433, 1959.
4209. BERNÁT (J.) & BERNÁTOVÁ-NOVOTNÁ (Mme V.). Kl'úč na určovanie Mucorales. - 116 pp., Bratislava, Vysokoškolské učebné texty, 1958.
4210. BOEDIJN (K. B.). Notes on the Mucorales of Indonesia. - Sydowia, 12 (1958), 1-6, pp.321-362, 12 fig., 1959. [55 spp. including many new taxa.]

4211. DRING (Vivienne J.). Sporangial wall patterns in *Pilobolus crystallinus* Tode. - Trans. Brit. mycol. Soc., 42, 3, pp. 295-297, 1 fig., 1959.
4212. EMBREE (R.W.). Radiomyces, a new genus in the Mucorales. - Amer. J. Bot., 46, 1, pp. 25-30, 20 fig., 1959. [Radiomyces spectabilis n. sp.]
4213. HESSELTINE (C.W.), BENJAMIN (C.R.), & MEHROTRA (B.S.). The genus *Zygorhynchus*. - Mycologia, 51, 2, pp. 173-194, 19 fig., 1959. [7 taxa including 1 n. sp. and 1 n. var.]
4214. JACOB (F.). Vergleichende studien über die phototropische Empfindlichkeit junger Sporangienträger der Gattung *Pilobolus*. - Arch. Protistenk., 103-34, pp. 531-572, 1 fig., 2 diag., 5 graphs, 1959.
4215. JACOB (F.). Zur Kenntnis der Lichtwirkung auf die Entwicklung der Sporangienträger der Sammelart *Pilobolus kleinii* van Tieghem. - Arch. Mikrobiol., 33, 1, pp. 83-104, 1 fig., 1959.
4216. KHALABUDA (T.V.). (The variability of *Mortierella alpina* Peyronel from the rhizosphere of winter wheat.) - J. Microbiol., Kiev, 21, 2, pp. 20-34, 7 fig., 1959. [Ukrainian.]
4217. KHALABUDA (T.V.). (On *Mortierella marburgensis* Linnemann from the rhizosphere of winter wheat.) - Op. cit., 21, 3, pp. 9-12, 3 fig., 1959. [Ukrainian. 2 ecotypes differing from the type in their larger size.]
4218. KHALABUDA (T.V.). (Concerning *Mortierella alpina* Peyronel from the rhizosphere of winter wheat.) - Rep. Acad. Sci. Ukr., 1959, 2, pp. 208-213, 3 fig., 1959. [Ukrainian.]
4219. PAGE (R.M.). Stimulation of asexual reproduction of *Pilobolus* by *Mucor plumbeus*. - Amer. J. Bot., 46, 8, pp. 579-585, 7 fig., 4 graphs, 1959.
4220. PLEMPPEL (M.) & BRAUNITZER (G.). Die Isolierung der Mucorineen-Sexualstoffe. - Z. Naturf., 136, 5, pp. 302-305, 1958.
4221. ORR (G.F.) & PLUNKETT (O.A.). A new species of *Absidia* from California. - Mycologia, 51, 2, pp. 203-209, 22 fig., 1959.
4222. ROSEMBERG (J.A.). Considerazioni intorno al genere *Actinomucor* Schostakowitsch. - Atti Ist. bot. Univ. Pavia, Ser. 5, 16, pp. 295-300, 1 fig., 1 graph, 1959. [A. harzii n. comb. (syn. *Mucor corymbosus*, A. repens) and A. elegans (syn. *Rhizopus elegans*).]
4223. VALLIER (M.). Observations morphologiques et cytologiques sur les Mortiérellacées du genre *Haplosporangium*. - Rev. gen. Bot., 66, 782, pp. 165-208, 12 fig., 1959.
4224. WEBB (Mary B.). A study of some isolates of *Pilobolus*. - Trans. Brit. mycol. Soc., 42, 4, pp. 486-490, 1 fig., 1 graph, 1959.
- ENTOMOPHTHORALES
4225. HALL (I.M.). The fungus *Entomophthora erupta* (Dustan) attacking the black grass bug, *Irbisia solani* (Heidemann) (Hemiptera Miridae), in California. - J. Insect Path., 1, 1, pp. 48-51, 4 fig., 1959.
4226. HALL (I.M.) & HALFHILL (Jean C.). The germination of resting spores of *Entomophthora virulenta* Hall and Dunn. - J. econ. Ent., 52, 1, pp. 30-35, 1959.
4227. JONES (F.R.). Some Zoopagales from Kenya. - Trans. Brit. mycol. Soc., 42, 1, pp. 75-89, 11 fig., 1959. [17 spp., 2 new.]
4228. JONES (F.R.) & PEACH (Mary). *Acaulopage tetraceros* Drechsler var. *longa* var. nov. - Trans. Brit. mycol. Soc., 42, 1, pp. 95-96, 1 fig., 1959.

ASCOMYCETES

4229. DOGUET (G.). Les bases actuelles de la systématique des Pyrénomycètes et le cas du *Melogramma spiniferum*. - C.R.Acad. Sci., Paris, 249, 23, pp. 2605-2607, 1959.
4230. GOLOVINA (Mme N. P.). (New species and forms of Ascomycetes from Central Asia.) - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp. 155-157, 2 fig., 1959. [Russian. Erysiphales, 2 n. f.; Sphaeriales 2 n. spp.]
4231. JOHNSON (T. W.), FERCHAU (H. A.), & GOLD (H. S.). Isolation, culture, growth and nutrition of some lignicolous marine fungi. - Phyton, 12, 1, pp. 65-80, 1959.
4232. KALĬMBETOY (B. K.). (Materials for the flora of the Ascomycetes of Zailiiskii Alatau.) - Trud. Inst. Bot. Acad. Sci. Kazakh S.S.R., 1959, 7, pp. 268-338, 1959. [Russ. 140 taxa including *Mycosphaerella isatidis* n. sp.]
4233. KERN (H.). Über einige Ascomyceten von der Elfenbeinküste. - Ber. schweiz. Bot. Ges., 69, pp. 277-285, 6 fig., 1959. [5 n. spp.]
4234. MEHTIEVA (Mme N. A.). (Materials for the study of the mycoflora of the Kuba Khachmas massif in Azerbaijan.) - Bull. Acad. Sci. Azerb. S.S.R., 1959, 3, pp. 19-31, 1959. [Russian with Azeri summary; 12 ref.]
4235. MOREAU (F. & Mme). L'évolution du périthèce et la taxonomie des Ascomycètes. - In Omăgiu lui Traian Săvulescu, pp. 463-471, București, Editura Academiei Republicii Populare Romîne, 1959.
4236. MÜLLER (E.). Pilze aus dem Himalaya II. - Sydowia, 12 (1958), 1-6, pp. 160-184, 8 fig., 1959. [Nos. 11-30, incl. new taxa.]
4237. MÜLLER (E.). Über zwei neue Ascomyceten auf *Juniperus*-Arten. - Op. cit., 12 (1958), 1-6, pp. 189-196, 3 fig., 1959. [*Chaetoscutula juniperi* n. gen. n. sp. and *Pododimeria gallica* n. gen. n. sp.]
4238. MÜLLER (E.). Über einige für die Alpen neue Ascomyceten. - Op. cit., 12 (1958), 1-6, pp. 200-209, 4 fig., 1959. [*Arnaudiella ribis*, *Phacidium sieversiae* n. spp., *Wettsteiniana macrotheca* n. comb., and *Leptosphaerulina vitrea*.]
4239. MUELLER [MÜLLER] (E.) & AHMAD (S.). Über einige neue oder bemerkenswerte Ascomyceten aus Pakistan IV. - Biologia, Lahore, 5, 1, pp. 1-18, 5 fig., 1959. [6 n. spp.]
4240. PETRAK (F.). Ergebnisse einer Revision der Grundtypen verschiedener Gattungen der Ascomyzeten und Fungi imperfecti. - Sydowia, 13, 1-6, pp. 1-9, 1959. [Genera 91-100 with 5 n. comb.]
4241. PETRAK (F.). Über die Gattung *Exomassarina* Teng. - Op. cit., 13, 1-6, pp. 23-26, 1959.
4242. SANTA MARÍA (J.). Un nuevo género de levaduras: '*Citeromyces*'. - Bol. Inst. Invest. agron., Madr., 17, 37, pp. 269-276, 6 fig., 1957. [For *Hansenula matritensis*.]
4243. SVRČEK (M.). Nové askomycety pro Československo. - Čes. Mykol., 13, 2, pp. 124-125, 1959. [4 spp.]
4244. TRUSZKOWSKA (Wanda). Niektóre Pyrenomycetes zebrane w Puszczy Białowieskiej. - Monogr. Bot., 8, pp. 191-220, 29 fig., 1959. [43 spp. with the conidial states of 16.]
4245. YAMAMOTO (W.). (Ecology and classification of sooty moulds (3).) - Trans. mycol. Soc. Japan, 1959, 10, pp. 7-10, 1959. [Japanese.]

PYRENOMYCETES

4246. BARR (Margaret E.). Northern Pyrenomycetes. I. Canadian Eastern Arctic. - Contr. Inst. bot. Univ. Montreal, 73, 101 pp., 9 pl., 1959, [About 100 taxa, some new.]
4247. HOLM (L.). Some comments on the ascocarps of the Pyrenomycetes. - Mycologia, 50 (1958), 5, pp. 777-788, 1959.
4248. MÜLLER (E.) & BOSE (S.K.). Über eine Erkrankung an Taxus im Himalaya. - Indian Phytopath., 12, 1, pp. 13-18, 2 fig., 1959. [*Asteridiella taxi* and *Chaetothyria negii* n. sp.]

ENDOMYCETALES (See also Fungi Imperfecti, Yeasts)

4249. BATRA (L.R.). A comparative morphological and physiological study of the species of *Dipodascus*. - Diss. Abstr., 20, 6, pp. 1990-1991, 1959. [3 spp.]
4250. BATRA (L.R.). A comparative morphological and physiological study of the species of *Dipodascus*. - Mycologia, 51, 3, pp. 329-355, 21 fig., 1959. [3 spp.]
4251. BROCK (T.D.). Mating reaction in *Hansenula wingei*: Relation of cell surface properties to agglutination. - J. Bact., 78, 1, pp. 59-68, 1959.
4252. DIXON (P.A.). Life-history and cytology of *Ascocybe grovesii* Wells. - Ann. Bot., N.S., 23, 92, pp. 509-520, 2 pl., 8 fig., 1959.
4253. FERREIRA (J.D.) & PHAFF (H.J.). Life cycle and nuclear behaviour of a species of the yeast genus *Schwanniomyces*. - J. Bact., 78, 3, pp. 352-361, 1959.
4254. GRÉGR (V.). Zvyšování výtěžnosti při výrobě krmného droždí. I. Výběr a zavádění nových ras kvasinek. - Sborn. vys. Škol. chem. Technol., 2, pp. 267-314, 6 fig., 1958. [*Saccharomyces cerevisiae* var. *tropicus*, n. var.]
4255. GUTZ (H.). Über das Erbverhalten eines Backhefe-stammes (*Saccharomyces cerevisiae*). - Züchter, 29, 5, pp. 251-254, 1959.
4256. KAWAKAMI (N.) & NEHIRA (T.). (A staining method for the yeast ascospore.) - Trans. mycol. Soc. Japan, 1959, 10, pp. 15-17, 3 fig., 1959. [Japanese.]
4257. KOBAYASI (Y.). On the Dipodascales, Synascales, Endomycetales of Protoascomycetes. - Nagaoa, 6, pp. 59-87, 20 fig., 1959. [Japanese.]
4258. SANTA MARÍA (J.). Sobre especies pluriesporuladas del género *Saccharomyces*. - Bol. Inst. Invest. agron., Madr., 17, 37, pp. 231-238, 10 fig., 1957.
4259. SANTA MARÍA (J.). Ibid. II. Pluriesporulación en *Sacch. fragilis*, *Sacch. fructuum*, *Sacch. oviformis*, *Sacch. oxidans*, *Sacch. oleaginosus* y diversas razas de *Sacch. cerevisiae*. - An. Inst. Nac. Agron. Madrid, 8, 3, pp. 737-750, 6 pl. (20 fig.), 1959.
4260. SANTA MARÍA (J.). Sobre la existencia en *Saccharomyces* de ascoporas de distinto grado de ploidia. - Op. cit., 8, 3, pp. 761-772, 3 pl., 9 fig., 1959.
4261. SANTA MARÍA (J.). Poliploidea en *Saccharomyces*. - Op. cit., 8, 3, pp. 679-712, 11 pl. (34 fig.), 1959.
4262. SANTA MARÍA (J.). Significado taxonómico de la dehiscencia del asca en las levaduras. - Op. cit., 8, 3, pp. 773-778, 2 pl., 1959.
4263. SANTA MARÍA (J.). Oxidación de alcohol etílico a ácido acético por levaduras vivas. I. *Saccharomyces acetii* nov. spec. y *Saccharomyces oxidans*, nov. spec., nuevas especies aisladas de vino. - Op. cit., 8, 3, pp. 713-736, 10 pl. (38 fig.), 1959.

4264. SANTA MARÍA (J.). Ibid. II. Características de un híbrido entre *Saccharomyces oxidans*, nov. spec. y *Saccharomyces oleaceus*, nov. spec. - Op. cit., 8, 3, pp. 751-760, 1 pl. (4 fig.), 1959.
4265. SHIFRINE (M.) & PHAFF (H. J.). On the isolation, ecology, and taxonomy of *Saccharomycopsis guttulata*. - Leeuwenhoek ned. Tijdschr., 24, 3-4, pp. 193-209, 1958.
4266. STREUTKER (R. T.). Some strain differences in brewers yeasts. - Wallerstein lab. Commun., 22, 76, pp. 27-42, 1 diag., 1 graph, 1959.
4267. VAN DER WALT (J. P.). *Endomycopsis wickerhamii* nov. spec. a new heterothallic yeast. - Leeuwenhoek J. Microbiol. Serol., 25, 3, pp. 344-348, 1959.
4268. VAN DER WALT (J. P.). *Pichia robertsii* nov. spec. a new haploid homothallic yeast. - Op. cit., 25, 3, pp. 337-343, 1959.
4269. VAN DER WALT (J. P.). *Endomyces reessii* nov. spec. - Op. cit., 25, 4, pp. 458-464, 1 fig., 1959.
4270. VERONA (O.) & ZARDETTA DE TOLEDO (O.). Considerazione intorno ad *Endomycopsis fibuliger* (Lindner) Dekker. - Mycopathologia, 10, 3, pp. 209-215, 5 fig., 1959.
4271. YONEYAMA (M.). Studies on natural habitats of yeasts, wild yeasts closely related to *Saccharomyces cerevisiae* Hansen. - J. Sci. Hiroshima Univ., Ser. B, Div. 2, 8, 2, pp. 145-165, 3 pl. (32 fig.), 2 fig., 1 map, 1958.

TAPHRINALES

4272. KRAMER (C. L.). A new genus in the Protomycetaceae. - Mycologia, 50 (1958), 6, pp. 916-926, 17 fig., 1959. [Mixia, type *M. osmundae* for *Taphrina osmundae*]
4273. SCHNEIDER (A.), MONTANT (C.), & LACOSTE (L.). *Taphrina acerina* Exoascée nouvelle pour la France. - Bull. Soc. Hist. nat. Toulouse, 93, 1-2, pp. 35-38, 4 fig., 1958.

EUROTIALES

4274. CHATTOPADHYAY (S. B.) & DAS GUPTA (C.). *Arachniotus indicus* sp. nov. - Trans. Brit. mycol. Soc., 42, 1, pp. 72-74, 2 fig., 1959.
4275. DAL VESCO (Giovanna). '*Geomyces vinaceus*' n. sp., forma conidica di '*Pseudogymnoascus vinaceus*' Raillo. - Allionia, 3, 2, pp. 1-15, 10 fig., 6 graphs, 1957.
4276. DURRELL (L. W.). Some studies of *Emericellopsis*. - Mycologia, 51, 1, pp. 31-43, 3 fig., 2 graphs, 1959. [5 spp. and 1 var. reduced to 3 spp.]
4277. HAWKER (Lilian E.). The development of the fruit-body of *Diehlomyces microsporus* (Diehl and Lambert) Gilkey (Syn. *Pseudobalsamia microspora* Diehl and Lambert). - Trans. bot. Soc. Edinb., 38, pp. 71-75, 1 pl., 1 fig., 1959.
4278. KOBAYASHI (Y.), TUBAKI (K.), & SHIMIZU (D.). On *Onygena corvina* from Japan. - Nagaoa, 6, pp. 52-58, 5 fig., 1959. [Japanese]
4279. MAAG (Grace W.), DURRELL (L. W.), & PAYNE (Merle G.). A chromatographic study of the fungus *Emericellopsis*. - Bull. Torrey bot. Cl., 86, 2, pp. 120-125, 1959. [Enables 2 spp. to be recognized, *E. mirabilis* and *E. terricola*.]
4280. SCHWÄRZEL (C.). *Elaphomyces leucosporus* Vittadini. - Schweiz. Z. Pilzk., 37, 11, pp. 174-175, 1959.

4281. STESNYAGINA (Mme T. Y.). (Concerning the systematics and biology of some species of *Eurotium*.) - Trud. Uzbek. gos. Univ., N.S., Bot., 1958, 84, pp.61-90, 1958. [Russ.]

4282. VARDHANABHUTI (S.). Cultural characteristics and life history of a new Human pathogen, *Thailandia candida*, nov. gen., et nov. spec. - Sydowia, 13, 1-6, pp.98-104, 2 pl., 1959.

MYRIANGIALES

4283. ARX (J.A. von). Über die Ascomycetengattung *Plochrompeltis* Theiss. - Persoonia, 1, 1, pp.1-4, 2 fig., 1959. [*P. ellisii*, n. sp.]

DOTHIDEALES

4284. BATISTA (A. C.). Alguns Dothideaceae e Phyllachoraceae estudados em Pernambuco. - Rev. Biol., 1, 3-4, pp.299-312, 9 fig., 1958. (Publ. Inst. Micol. Recife 129) [1 n. gen., 1 n. var., 1 n. comb. and 7 other spp.]

4285. BATISTA (A. C.), & PERES (Generosa E. P.). Polypedia, um novo gênero de fungos Polystomellopsidaceae. - Atti. Ist. bot. Univ. Pavia, Ser. 5, 16, pp.118-120, 1 fig., 1959. [Publ. Inst. Micol. Univ. Recife 126. for *Scolecopeltis theissenii*.]

4286. OBRIST (W.). Untersuchungen über einige 'dothideale' Gattungen. - Phytopath. Z., 35, 4, pp.357-388, 21 fig., 2 graphs, 1959. [2 n. spp., 1 n. comb.; the types of 6 genera are studied.]

4287. PETRAK (F.). Über *Fusicoccum Kesslerianum* Rick. - Sydowia, 13, 1-6, pp.113-115, 1959. [= *Lohwagia kessleriana*]

4288. SWART (H. J.). A new fungus recorded for South Africa. - S. Afr. J. Sci., 55, 11, pp.281-282, 1 fig., 1959. [*AcrospERMUM foliicolum*]

4289. TILAK (S. T.). Studies in the Indian Phyllachoraceae. - Sydowia, 12 (1958), 1-6, pp.185-188, 2 fig., 1959.

4290. TILAK (S. T.). Second contribution towards Indian Phyllachoraceae. - Op. cit., 13, 1-6, pp.34-36, 2 fig., 1959. [*Phyllachora ortonii*, *P. agharkarii*, n. spp.]

4291. TILAK (S. T.). A new species of *Microcylus* from India. - Op. cit., 12 (1958), 1-6, pp.197-199, 1 fig., 1959.

HEMISPHERIALES

4292. ARX (J.A. von). Ueber die Ascomycetengattung *Marchalia* Sacc. - Sydowia, 12 (1958), 1-6, pp.400-403, 1959. [*Cocconia spurcaria* n. comb. and *Didymosphaeria cocconiae* n. sp.]

4293. BATISTA (A. C.). *Heraldoia* um novo gênero de Asterinaceae, com himênio múltiplo. - Atti. Ist. bot. Univ. Pavia, Ser. 5, 16, pp.104-114, 9 fig., 1959. [Publ. Inst. Micol. Univ. Recife 133. For *Lembosia ardua*, *L. microcarpa*, and 2 n. spp.]

4294. BATISTA (A. C.) & MAIA (H. Da S.). Novas e antigas espécies de fungos *Morenoella* Speg. - Brotéria, 28(55), 1 pp.24-35, 9 fig., 1959. [Publ. Inst. Micol. Univ. Recife 153. *M. killianii*, *M. pentacmeae*, *M. vitalii*.]

4295. BATISTA (A. C.), MAIA (H. Da S.), & FARR (Marie L.). Novos gêneros e novas espécies de fungos Asterinaceae. - Rev. Biol., 1, 3-4, pp.287-298, 9 fig., 1958. (Publ. Inst. Micol. Recife 123). [*Asterinopeltis* and *Asterinotheca* n. gen. and 3 n. spp. of *Asterinema*.]

4296. BATISTA (A. C.) & PERES (Generosa E. P.). Alguns fungos dos gêneros *Englera* e *Englerulaster*. - Rev. Agric., Recife, 2, 1, pp.25-35, 6 fig., 1959. [1 n. comb.]

4297. BATISTA (A. C.) & VITAL (A. F.). Dois novos gêneros de fungos Polystomella-
ceae. - Rev. Biol., 1, 3-4, pp. 280-286, 4 fig., 1958. (Publ. Inst. Micol.
Recife 115.) [2 n. spp.]
4298. PETRAK (F.). Singeriella n. gen., eine neue, mit den Entopeltaceen
verwandte Gattung aus den Hochgebirgen Perus. - Sydowia, 12 (1958), 1-6,
pp. 252-257, 1959. [Chrysogloeum n. gen. for the imperfect state.]
4299. PETRAK (F.). Beiträge zur Kenntnis einiger Asterineen der Philippinen. -
Op. cit., 12 (1958), 1-6, pp. 472-486, 1959. [incl. 12 n. spp.]
- ERYSIPHALES (PERISPORIALES)
4300. BUHR (H.). Erysiphaceen aus Mecklenburg und anderen Gebieten. - Arch.
Fr. Natgesch. Mecklenb., 4, pp. 9-88, 1958.
4301. CHIDDARWAR (P. P.). Salmonomyces - a new member of the Erysiphaceae.
- Sydowia, 13, 1-6, pp. 55-56, 2 pl., 1959. [1 n. gen., 1 n. sp.]
4302. DOMASHOVA (Mme A. A.). (A new species of Trichocladia on Barberry) -
Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.),
12, pp. 161-162, 1 fig., 1959. [Trichocladia golovinii. Russian]
4303. DZHAFAROV (S. A.). (Fungi of the genus Sphaerotheca Lév., parasitizing
peach, rose and hops in the Lenkoran zone of Azerbaijan.) - Izv. Acad. Sci.
Azerb. S.S.R., 1958, 4, pp. 3-10, 1958. [Russian with Azeri summary; 23
ref.]
4304. DZHAFAROV (S. A.). (Fungi of the genus Microsphaera Lév. parasitizing a
survivor of the Tertiary period (chestnut-leaved oak) and the thickets of the
Taluish.) - Op. cit., 1958, 2, pp. 11-16, 1958. [Russian with Azeri summary;
29 ref.]
4305. DZHAFAROV (S. A.). (A new form of parasitic fungus from the Taluish
(Azerbaijan S.S.R.)) - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot.
Acad. Sci. U.S.S.R.), 12, pp. 266-267, 1959. [Russian. Uncinula
clandestina f. ulmi-foliaceae n. f.]
4306. GORLENKO (M. V.). (On the priority of G. S. Nevodovskii in the description
of a new species of powdery mildew fungus on Oak.) - Bot. Mater. (Notul.
syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp. 157-159, 1959.
[Russian. Microsphaera hypophylla syn. M. silvatica.]
4307. GUPTA (S. C.) & BHARGAVA (K. S.). Erysiphe polygoni DC. on Homalocladium
platycladum from India. - Phytopath. Z., 36, 1, pp. 94-96, 7 fig., 1959.
4308. MEHTIEVA (Mme N. A.). (A new powdery mildew fungus observed in
Azerbaijan, Erysiphe cichoracearum f. willmetiae mehtieva f. n.) -
Dokl. Akad. Nauk Azerb. S.S.R., 15, 1, pp. 55-56, 1 fig., 1959. [Azeri
with Russian summary.]
4309. PETRAK (F.). Beiträge zur Kenntnis der Meliolineen. - Sydowia, 12 (1958),
pp. 431-465, 1959. [incl. 15 n. spp.]
4310. PETRAK (F.). Über die Gattung Myxothecium Kunze. - Op. cit., 13, 1-6,
pp. 37-40, 1959. [1 n. gen based on M. palmarum.]
4311. SIMONYAN (S. A.). New forms of parasitic fungi. - Izv. Akad. Nauk Armen.,
Biol. agric. Sci., 11, 6, pp. 87-91, 1958. [Erysiphales, 14 new forms.]
4312. SIMONYAN (S. A.). (New species of parasitic fungus of the genus Uncinula. -
Op. cit., 12, 2, pp. 87-88, 2 fig., 1959. [Russian. On Acer assyriacum.]
4313. VARADARAJAN (P. D.). A new species of Oidium on Rauwolfia serpentina. -
Curr. Sci., 28, 5, pp. 205-206, 1959.
4314. VASYAGINA (Mme M. P.). (New species of Kazakhstan fungus flora. - Bot.
Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp. 159-161,
1959. [Russian. 2 n. f. of Erysiphales.]

4315. YAMAMOTO (W.). Taxonomy of the Meliolaceae with special reference to the Formosan species. - *Sci. Rep. Hyogo Univ. Agric., Ser. Agric. Biol.*, 3, 2, pp. 51-93, 1958. [114 spp., revisions and redescriptions. *Armata* n. gen., 2 n. comb.]

HYPOCREALES

4316. BOOTH (C.). Studies of Pyrenomycetes. IV. Nectria (Part I). - *Mycol. Pap.*, 73, 115 pp., 2 pl., 35 fig., 1959. [Groups *cinnabarina*, *ochroleuca*, *aquifolii*, *coccinea*, *lasionectria*, *peziza*, *arenula*, *mammoidea*, and *episphaeria*.]
4317. BOOTH (C.). Ibid. V. Nomenclature of some *Fusaria* in relation to their nectrioid perithecial states. - *Op. cit.*, 74, 16 pp., 4 fig., 1959. [*Hypomyces solani*, *Nectriopsis solani* n. comb., and *Calonectria rigidiuscula*.]
4318. COMES (I.). Contribuții la cunoașterea genului *Claviceps*. - *Anu. Lučrăr. Ști.*, 1957, pp. 331-338, 1957.
4319. EL-ANI (A.S.). Chromosome numbers in the Hypocreales. I. Nuclear division in the ascus of *Nectria peziza*. - *Amer. J. Bot.*, 46, 6, pp. 412-417, 38 fig., 1959.
4320. HO (W.-C.) & LJU (Z.). (Studies on *Cordyceps sinensis* (Berk.) Sacc. (Hypocreales).) - *Fuz. Tsch. - Iljao*, 3, pp. 31-32, 1958. [Chin.]
4321. KUBIČKA (J.). K výskytu *Cordyceps militaris* L. na Třeboňsku. - *Čes. Mykol.*, 9, 2, pp. 96-97, 4 pl., 1955.
4322. MAINS (E.B.). Species of *Hypocrella*. - *Mycopathologia*, 11, 4, pp. 311-326, 20 fig., 1959. [25 spp. including 2 n. comb.]
4323. MAINS (E.B.). *Cordyceps* species. - *Bull. Torrey bot. Cl.*, 86, 1, pp. 46-58, 12 fig., 1959. [24 spp. including 2 n. spp. and 2 new names.]
4324. MÜLLER (E.). Über die Stellung der Ascomycetengattung *Wawelia* Namyslowsky. - In *Omagiu lui Traian Săvulescu*, pp. 515-518, 2 fig., București, Editura Academiei Republicii Populare Romîne, 1959.
4325. PANTIDOU (Maria E.). *Claviceps* from *Zizania*. - *Canad. J. Bot.*, 37, 6, pp. 1233-1236, 1 pl., 6 fig., 1959. [*C. zizaniae*.]
4326. PARMASTO (E.). Hirvepähkite ja nendel parasiteeriva seene *Cordyceps ophioglossiodes* levikust Eestis. - *Eesti NSV teadus. Akad. asuva*, 51, pp. 183-188, 1 pl., 1 map, 1958. [Estonian.]
4327. PETRAK (F.). Über *Calonectria kurdica* n. spec. und ihre Nebenfruchtform *Fusarium kurdicum* n. spec. - *Sydowia*, 13, 1-6, pp. 95-97, 1959.
4328. PETRAK (F.). *Pseudonectriella* n. gen., eine neue Gattung der Nectriaceen aus Pakistan. - *Op. cit.*, 13, 1-6, pp. 127-130, 1959. [*P. ahmadii* n. sp.]
4329. SAKURAI (Y.) & MATUO (T.). (On *Hypomyces solani* (Rke. et Berth.) Snyder et Hans. f. *mori* n. f., causing mulberry bud wilt, and its f. *radicicola*.) - Abs. in *Ann. phytopath. Soc. Japan*, 24, 1, p. 26, 1959. [Jap.]
4330. SAKURAI (Y.) & MATUO (T.). On the form name and race of *Hypomyces solani* (Rke et Berth.) Snyder et Hans. which is pathogenic to the Mulberry trees. - *Op. cit.*, 24, 4, pp. 219-223, 1959. [Jap. with Engl. summ. 2 new forms.]
4331. WEBSTER (J.). *Nectria lugdunensis* sp. nov., the perfect state of *Heliscus lugdunensis*. - *Trans. Brit. mycol. Soc.*, 42, 3, pp. 322, 327, 1 fig., 1959.

LABOULBENIALES

4332. JEEKEL (C.A.W.). A new carabidicolous species of the genus *Laboulbenia* from Sumatra (Ascomycetes, Laboulbeniales). - *Acta bot. neerl.*, 8, 3, pp. 257-262, 1 fig., 1959. [*L. heimansii*.]

4333. JUDD (W. W.) & BENJAMIN (R. K.). The Ant *Lasius alienus* (Foerster) parasitized by the fungus *Laboulbenia formicarum* Thaxter at London, Ontario. - Canad. Ent., 90, 7, p.419, 1958.

SPHAERIALES

4334. BARBESGAARD (P.) & WAGNER (S.). Further studies on the biochemical basis of protoperithecia formation in *Neurospora crassa*. - Hereditas, Lund, 45, 4, pp.564-572, 1959.
4335. BATISTA (A. C.) & MAIA (H. Da S.). Estudo inconográfico de alguns fungos Valsaceae e Xylariaceae. - Rev. Biol., 1, 3-4, pp.325-332, 7 fig., 1958. (Publ. Inst. Micol. Recife 130.) [*Valsaria subcoccodes* n. comb. and 3 other spp.]
4336. BATISTA (A. C.) & VITAL (A. F.). Novas combinações de *Phaeosphaerella*: *P. banksiae* (Cke) Bat. & Vital e *P. verrucispora* (Ahmad) Bat. & Vital. - Atti Ist. bot. Univ. Pavia, Ser. 5, 16, pp.115-117, 2 fig., 1959. [Publ. Inst. Micol. Univ. Recife 108.]
4337. BAYLET (J.), CAMAIN (R.), & SEGRETAINE (G.). Identification des agents des maduromycoses du Sénégal et de la Mauritanie. Description d'une espèce nouvelle. - Bull. Soc. path. Exot., 52, 4, pp.448-477, 18 fig., 1959. [*Leptosphaeria senegalense*.]
4338. BOEDIJN (K. B.). On a new family of the Sphaeriales. - Persoonia, 1, 1, pp.15-19, 3 fig., 1959. [1 n. fam., 2 n. gen., 1 n. sp., 2 n. comb. for some spp. of *Xylaria*.]
4339. BOOTH (C.) & CORNFORD (C. E.). British records, 41. *Pleospora betae*. - Trans. Brit. mycol. Soc., 42, 1, pp.119-120, 1 fig., 1959.
4340. CARR (A. J. H.) & OLIVE (L.). Genetics of *Sordaria fimicola*. III. Cross-compatibility among self-fertile and self-sterile cultures. - Amer. J. Bot., 46, 2, pp.81-91, 6 fig., 1959.
4341. CHADEFAUD (M.). Les Pléosporales nectrioïdes et la systématique des *Pyrenomycètes*. - C. R. Acad. Sci., Paris, 248, 10, pp.1562-1564, 1959.
4342. CHEREPANOVA (Mme N. P.). (Concerning phylogenetic relationships within the family Pleosporaceae.) - Vestn. Leningrad. Univ., 1958, 15, pp.50-58, 1958.
4343. CHEREPANOVA (Mme N. P.). (On the morphological variations of structures in *Diaporthe strumella* (Fr.) Winter.) - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp.172-182, 6 fig., 1959. [Russian.]
4344. CHONA (B. L.), MUNJAL (R. L.) & BAJAJ (B. S.). An undescribed species of *Sphaerulina* on Ivy. - Indian Phytopath., 11, 2, pp.172-174, 2 fig., 1958. [*Sphaerulina hederæ* sp. nov.]
4345. DANCE (B. W.). A cultural connection between *Venturia tremulae* Aderh. and its imperfect stage in Ontario. - Canad. J. Bot., 37, 5, pp.1139-1140, 1959.
4346. DAVIDSON (R. W.). Additional species of Ophiostomataceae from Colorado. - Mycologia, 50 (1958), 5, pp.661-670, 1959. [9 *Ceratocystis* spp. incl. 6 n. spp. and 1 n. comb.]
4347. DOGUET (G.). Organogénie du périthèce du *Coniochaeta lignaria*. Comparaison avec l'organogénie des *Xylaria* et des *Discomycètes* angiocarpes. - Rev. Mycol., Paris, 24, 1, pp.18-38, 4 fig., 1959.
4348. ELLIS (J. J.). Perithecial development in the homothallic strain of *Gelasinospora calospora* (Mouton) Moreau et Moreau. - Diss. Abstr., 19, 12, p.3094, 1959.

4349. GILMAN (J. C.), TIFFANY (Lois H.), & LEWIS (R. M.). Iowa Ascomycetes III. Diaporthaceae: Diaporthaeae. - Iowa St. Coll. J. Sci., 33, 3, pp. 325-393, 14 pl. (274 fig.), 1959. [3 n. spp., 1 n. comb.]
4350. GOOS (R. D.). Spermatium - trichogyne relationship in *Gelasinospora calospora* var. *autosteiira*. - Mycologia, 51, 3, pp. 416-428, 8 fig., 1959.
4351. GUTSEVICH (S. A.). (New species of fungi from the Crimea of the genus *Pyrenophora*.) - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U. S. S. R.), 12, pp. 182-195, 13 fig., 1959. [Russian. 12 n. spp.]
4352. GUTSEVICH (S. A.). (New species of fungi collected on *Sobolevskia lithophila* M. B. in the Crimea.) - Op. cit., 12, pp. 195-200, 4 fig., 1959. [Russian. 4 n. spp., *Leptosphaeria*, *Melanomma*, and *Pyrenophora*.]
4353. GUTSEVICH (S. A.). (New species of fungi of the order Sphaeriales collected in the mountainous part of the Crimea.) - Op. cit., 12, pp. 205-211, 7 fig., 1959. [Russian. 7 spp.]
4354. HARA (K.). Two fungi growing on Hare dung. - Trans. mycol. Soc. Japan, 2, 1, p. 12, 4 fig., 1959. [Japanese. *Poronia leporina* and *Sordaria podospora*.]
4355. HINO (I.). Notes on the genera *Chaetosphaerulina* and *Astrotheca*. - Bull. Fac. Agric. Yamaguti Univ. 10, pp. 1169-1174, 5 fig., 1959. [Generic position.]
4356. HOFSTEN (Angelica v.). The vegetative nuclei of the fungus *Ophiostoma*. - Hereditas, Lund, 45, 4, pp. 573-578, 8 fig., 1959. [*O. multiannulatum* and *O. piceae*.]
4357. HOFSTEN (Angelica v.) & HOFSTEN (B.). Factors influencing cell division and vegetative morphogenesis of *Ophiostoma multiannulatum*. - Physiol. Plant., 11, 1, pp. 106-111, 5 fig., 2 diag., 1958.
4358. ITO (T.). Fruit body formation of red bread mold *Neurospora crassa* III. Effect of nitrogen sources with special reference to the ionic ratio of ammonium and nitrate in the medium. - Bot. Mag. Tokyo, 72, 852, pp. 238-246, 1 graph, 1959.
4359. KNOX-DAVIES (P. S.). The cytology and genetics of *Helminthosporium turcicum* and its ascigerous stage *Trichometasphaeria turcica*. - Diss. Abstr., 20, 3, p. 861, 1959.
4360. LUTTRELL (E. S.) & ROGERSON (C. T.). Homothallism in an undescribed species of *Cochliobolus* and in *Cochliobolus kusanoi*. - Mycologia, 51, 2, pp. 195-202, 4 fig., 1959.
4361. MEYERS (S. P.) & REYNOLDS (E. S.). Effect of wood and wood products on perithecial development by lignicolous marine ascomycetes. - Op. cit., 51, 2, pp. 138-145, 1959. [9 spp.]
4362. MÜLLER (E.). Über eine neue Venturiaceae. - Sydowia, 12 (1958), 1-6, pp. 218-220, 1 fig., 1959. [*Xenomeris hemisphaerica* n. sp.]
4363. MÜLLER (E.). Über drei guignardia-arten und ihre nebenfruchtformen. - Phytopath. Z., 34, 4, pp. 411-416, 1 fig., 1959. [*Guignardia mirabilis*; *G. himalayensis*.]
4364. NELSON (R. R.). A major gene locus for compatibility in *Trichometasphaeria turcica*. - Phytopathology, 48, 3, pp. 159-160, 1959.
4365. NELSON (R. R.). The genetics of sexual reproduction in *Cochliobolus heterostrophus*. - Abs. in Op. cit., 49, 5, p. 319, 1959.
4366. NELSON (R. R.). Interspecific crosses as a means of studying evolution of sexuality and pathogenicity in the genus *Helminthosporium*. - Abs. in Op. cit., 49, 9, p. 547, 1959.

4367. NELSON (R. R.). *Cochliobolus carbonum*, the perfect stage of *Helminthosporium carbonum*. - Op. cit., 49, 12, pp. 807-810, 5 fig., 1959. [10 ref.]
4368. NELSON (R. R.). Genetics of *Cochliobolus heterostrophus*. I. Variability in degree of compatibility. - Mycologia, 51, 1, pp. 18-23, 1959.
4369. NELSON (R. R.). *Ibid.* II. Genetic factors inhibiting ascospore formation. - Op. cit., pp. 24-29, 1959.
4370. NELSON (R. R.). *Ibid.* III. Genetic factors inhibiting ascus formation. - Op. cit., 51, 2, pp. 132-137, 1959.
4371. NELSON (R. R.). *Ibid.* IV. A mutant gene that prevents perithecial formation. - Phytopathology, 49, 5, pp. 384-386, 1959.
4372. PARGUEY-LEDUC (Agnès). Le développement de la *Pléosporale nectrioides* (?) *Letendrea padouk* n. sp. - C.R.Acad. Sci., Paris, 248, 10, pp. 1559-1562, 4 fig., 1959.
4373. PETRAK (F.). *Neocryptospora* n. gen., eine neue, sphaeriale Gattung mit eutypoidem Stroma. - Sydowia, 13, 1-6, pp. 51-54, 1959. [N. Rickii n. sp.]
4374. PETRAK (F.). *Gibberidea parasitica* n. spec., ein fakultativer Parasit am Stroma von *Calonectria kurdica* Petr. und *Cucurbitaria kurdica* Bub. - Op. cit., 13, 1-6, pp. 124-126, 1959.
4375. PETRAK (F.). Über *Cucurbitaria kurdica* Bub. und ihre Nebenfruchtformen. - Op. cit., 13, 1-6, pp. 148-151, 1959. [2 n. spp.]
4376. PETRAK (F.). Über die Gattung *Amphorula* Grove und die zu ihr gehörige Schlauchform. - Op. cit., 13, 1-6, pp. 178-182, 1959. [1 n. gen., 1 n. sp., 1 n. comb. based on *Kellermania polygoni*.]
4377. PLOMLEY (N. J. B.). Formation of the colony in the fungus *Chaetomium*. - Aust. J. biol. Sci., 12, 1, pp. 53-64, 5 graphs, 1959. [*C. globosum*.]
4378. PROTSENKO E. P. (On the causal agent of 'burn' of Roses.) - (Bull. Centr. bot. Gdn., Moscow), 1959. 33, pp. 109-111, 1959. [Russian. *Leptosphaeria coniothyrium* and *Coniothyrium wernsdorffiae*.]
4379. SCHECHROUN (Janine). Sur la nature de la différence cytoplasmique entre souches *s* et *s*^s de *Podospira anserina*. - C.R.Acad. Sci., Paris, 248, 9, pp. 1394-1397, 1959.
4380. SEGRETAİN (G.), BAYLET (J.), DARASSE (H.), & CAMAIN (R.). *Leptosphaeria, senegalensis* n. sp., agent de mycétomes à grains noirs. - Op. cit., 248, 26, pp. 3730-3732, 3 fig., 1959.
4381. SHATKIM (A. J.). Morphology of *Neurospora crassa*. - Trans. N.Y.Acad. Sci., 21, 5, pp. 446-453, 1959.
4382. TINLINE (R. D.) & DICKSON (J. G.). *Cochliobolus sativus*. I. Perithecial development and the inheritance of spore colour and mating type. - Mycologia, 50 (1958), 5, pp. 697-706, 5 fig., 1959.
4383. TINLINE (R. D.) & SAMBORSKI (D. J.). *Ibid.* II. Photo-activated pigmentation. - Op. cit., 51, 1, pp. 77-88, 7 graphs, 1959.
4384. TILAK (S. T.). A new species of *Septoria* and its associated ascigerous stage. - Mycopathologia, 10, 3, pp. 216-218, 2 fig., 1959. [*Septoria nilgiriensis* and *Mycosphaerella artemisiae*]
4385. TSCHEREPANOWA (N. P.). Zur Frage der phylogenetischen Beziehungen innerhalb der Familie *Pleosporaceae*. - Vestn. Leningr. Univ., 15, pp. 50-58, 1958.

4386. VISWANATHAN (T. S.). A new species of *Cercospora* and its associated ascigerous stage. - *Mycopathologia*, 10, 3, pp. 219-222, 3 fig., 1959. [*Cercospora poonensis* and *Mycosphaerella poonensis*.]
4387. WEBSTER (J.) & LUCAS (Maria T.). Observations on British species of Pleospora. I. - *Trans. Brit. mycol. Soc.*, 42, 3, pp. 332-342, 5 fig., 1959.
4388. WEHMEYER (L. E.). *Leptosphaerulina* McAlp. antedates *Pseudoplea* Höhn. - *Sydowia*, 12 (1958), 1-6, pp. 490-491, 1959.
4389. WHEELER (H. E.), DRIVER (C. H.), & CAMP (Carmen). Cross- and self-fertilization in *Glomerella*. - *Amer. J. Bot.*, 46, 5, pp. 361-365, 1959.

DISCOMYCETES

4390. CASH (Edith K.). Some new Discomycetes from California. - *Mycologia*, 50 (1958), 5, pp. 642-656, 10 fig., 1959. [15 n. spp.]
4391. GRELET (L. -J.). Les Discomycètes de France d'après la classification de Boudier. - *Rev. Mycol., Paris*, 24, 2, pp. 81-92, 1 fig., 1959.
4392. GRELET (L. J.). Liste des espèces décrites dans les Discomycètes de France d'après la classification de Boudier. - *Op. cit.*, 24, 3, pp. 234-263, 1959.
4393. GREMMEN (J.). Einige Discomyceten aus Kärnten und Südtirol. - *Sydowia*, 12 (1958), 1-6, pp. 487-498, 1959. [23 spp. incl. 1 new.]
4394. LE GAL (Marcelle). Discomycètes du Congo Belge d'après les récoltes de Madame Goossens-Fontana. - *Bull. Jard. bot. Brux.*, 29, 2, pp. 73-132, 19 fig., 1959. [20 spp., 6 new, 8 n. comb.]
4395. MÜLLER (E.), HÜTTER (R.), & SCHÜEPP (H.). Über einige bemerkenswerte Discomyceten aus den Alpen. - *Sydowia*, 12 (1958), 1-6, pp. 404-430, 9 fig., 1959. [13 spp. incl. 6 new ones.]
4396. SVRČEK (M.). Výsledky mykologického výzkumu Čech za rok 1958. II. Kritické poznámky k některým discomycetům zimního a jarního aspektu mykoflory středních Čech. - *Čes. Mykol.*, 13, 4, pp. 211-217, 1959. [15 spp. including 2 n. spp., 1 n. f., and 1 n. comb.]

PHACIDIALES

4397. GREMMEN (J.). Über zwei Phacidiaceae von *Pinus silvestris* L. - *Phytopath. Z.*, 35, 1, pp. 27-30, 1 fig., 1959. [*Phacidiella coniferarum*, *Phacidium lacerum*.]
4398. SHVARTSMAN (S. R.). (A new genus of Ascomycetes (fam. Stictidaceae) in the Tien Shan.) - *Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.)*, 12, pp. 224-228, 1 fig., 1959. [Russian. 1 n. sp.]
4399. TILAK (S. T.). Two undescribed species of *Lophodermium* from India. - *Sydowia*, 13, 1-6, pp. 27-28, 2 fig., 1959. [*L. indicum*; *L. agharkarii*]

HELOTIALES

4400. BATRA (L. R.) & KORF (R. P.). The species of *Ciborinia* pathogenic to herbaceous angiosperms. - *Amer. J. Bot.*, 46, 6, pp. 441-450, 26 fig., 1959.
4401. BUCHWALD (N. F.). *Ascotremella faginea* (Peck) Seaver found in Denmark. - *Friesia*, 6 (1957-58), 1-2, pp. 26-29, 1 fig., 1959.
4402. DENNIS (R. W. G.). The genus *Zoellneria* Velenovsky. - *Kew Bull*, 1958, 3, pp. 398-399, 1 fig., 1959. [*Z. rosarum*.]
4403. DENNIS (R. W. G.). Bolivian Helotiales collected by Dr. R. Singer. - *Op. cit.*, pp. 458-467, 8 fig., 1959. [23 spp., 5 new, 1 n. var., 1 n. comb.]

4404. GRIFFITHS (E.). The cytology of *Gloeotinia temulenta* (blind seed disease of Rye-grass). - Trans. Brit. mycol. Soc., 42, 2, pp.132-148, 2 pl. (30 fig.), 3 fig., 1959.
4405. GUTHRIE (E. J.). The occurrence of *Pezicula alba* sp. nov. and *P. malicorticis* the perfect states of *Gloeosporium album* and *G. perennans*, in England. - Op. cit., 42, 4, pp.502-506, 1959.
4406. KORF (R. P.). Japanese Discomycete notes IX-XVI. - Bull. nat. Sci. Mus. Tokyo, 4, 4 (45), pp.389-400, 8 fig., 1959. [2 n. spp. of *Arachnopeziza*, 1 of *Phaeohelotium*.]
4407. KORF (R. P.). Nomenclatural notes. III. *Chlorociboria* vs. *Piceomphale*. - Mycologia, 51, 2, pp.298-299, 1959.
4408. MÜLLER (E.) & DENNIS (R. W. G.). Pilze aus dem Himalaya III. - Sydowia, 13, 1-6, pp.41-50, 5 fig., 1959. [Nos.31-35; 1 n. var., 1 n. comb., 2 n. spp.]
4409. PETRAK (F.). Über eine neue Art der Gattung *Pyrenopeziza* aus den Hochgebirgen Afghanistans. - Op. cit., 13, 1-6, pp.164-166, 1959. [*P. koelzii*.]
4410. PETRAK (F.). Über die Gattungen *Eutryblidiella* (Rehm) v. Höhn. und *Endotryblidium* n. gen. - Op. cit., 13, 1-6, pp.239-245, 1959. [*Eutryblidiella hystera*, n. comb. N. gen. based on *Endotryblidium insculptum*.]
4411. PONER (K.). Další nálezy *Ciboria subvillosula* (Rehm) Svrček v Čechách. - Čes. Mykol., 13, 3, pp.181-182, 1 fig., 1959.
4412. RODIGIN (M. N.) & ZHURAVLEVA (L. G.). (On the conidial state of *Pseudopeziza medicaginis* (Lib.) Sacc.) - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot., Acad. Sci. U.S.S.R.), 12, pp.211-213, 1 fig., 1959. [Russian. *Phoma medicaginis*.]
4413. SCHÜEPP (H.). Untersuchungen über *Pseudopezizoideae* sensu Nannfeldt. - Phytopath., Z., 36, 3, pp.213-269, 12 fig., 1959. [1 n. sp., 2 n. f. spp., 12 n. comb.]
4414. SIEGEL (M.). Zur Ökologie des Anemonbecherlings. - Z. Pilzk., 24, 1, pp.18-19, 1958. [*Sclerotinia tuberosa* and 5 associated fungi.]
4415. YAMAMOTO (W.). Species of the Sclerotiniaceae in Japan. - Trans. mycol. Soc. Japan, 2, 2, p.2-8, 1959. [Jap. & Latin. 29 spp. including 5 n. comb.]
- PEZIZALES
4416. ARX (J. A. von) & MÜLLER (E.). Über die neue Ascomycetengattung *Pseudodiscus*. - Sydowia, 13, 1-6, pp.64-66, 1 fig., 1959. [1 n. comb. for *Karschia nootkatense*.]
4417. BOEDIJN (K. B.). Notes on the genus *Sarcosoma*. - Persoonia, 1, 1, pp.7-9, 1959. [= *Galiella*.]
4418. CHEVAUGEON (J.). La zonation du thalle, phénomène périodique autonome chez *l'Ascobolus immersus*. - C.R. Acad. Sci., Paris, 248, 9, pp.1381-1384, 1 fig., 1 graph, 1959.
4419. CHEVAUGEON (J.). Sur le déterminisme interne du rythme de croissance chez un mutant 'vague' de *l'Ascobolus immersus*. - Op. cit., 248, 12, pp.1841-1844, 1 fig., 1 diag., 2 graphs, 1959.
4420. CHEVAUGEON (J.). Influence de quelques substances sur la manifestation du rythme de croissance chez *l'Ascobolus immersus*. - Op. cit., 249, 17, pp.1703-1705, 1959.

4421. GEITLER (L.). Zwei neue Fundorte von *Sarcosphaera dargelasii* (Peziza coronaria). - Österr. Bot. Z., 106, 3-4, pp.352-353, 2 fig., 1959.
4422. SVRČEK (M.). Ohnivec šarlatový-Plectania coccinea (Scop. ex) Fr. Fuck. - Čes. Mykol., 13, 1, pp.1-3, 1 col.pl., 1959.
4423. THIND (K.S.), CASH (Edith K.), & SINGH (P.). The Pezizaceae of the Mussoorie Hills (India). VII. - Mycologia, 51, 3, pp.457-464, 17 fig., 1959. [Nos. 39-42, 4 n.spp.]
4424. THIND (K.S.) & SETHI (J.S.). Ibid. III. - Indian Phytopath., 10, 1, pp.26-37, 1 pl., 7 fig., 1957. [7 spp. incl. 2 n.comb.]
4425. THIND (K.S.) & SINGH (Pritam). Ibid., VI. - J. Indian bot. Soc., 38, 2, pp.221-232, 7 fig., 1959. [Nos.33-38, 2 n.var.]
4426. VASIL'KOV (B.P.). (On *Helvellea sphaerospora* (Peck) Imai). - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp.228-230, 1959. [Russian. A discussion of the name and synonyms.]
4427. WICHANSKÝ (E.). Nová odrůda kališníku běločerného *Acetabula leucomelas* Pers. var. *semihypogaea* Wich. odr. polopodzemní. - Čes. Mykol., 13, 1, pp.20-25, 4 fig., 1959.
4428. WOLF (F.A.). Mechanism of apothecial opening and ascospore expulsion by the cup-fungus *Urnula craterium*. - Mycologia, 50 (1958), 6, pp.837-843, 23 fig., 1959. [Conidial state *Strumella corynoidea*.]

TUBERALES

4429. HEIMSCH (C.). The first recorded truffle from Texas. - Mycologia, 50 (1958), 5, pp.657-660, 5 fig., 1959. [*Tuber texense* n.sp.]
4430. NOVÁK (E.T.) & ZELLER (L.). Ein neuer Fundort von *Mattirolomyces terfezioides* in Ungarn und die Verhältnisse seines Vorkommens. - Ann. Univ. Sci. Budapest. Rolando Eötvös, Sect. Biol., 2, pp.197-200, 1 pl., 1959.
4431. RAYSS (T[scharna]). Champignons hypogés dans les régions désertiques d'Israël. - In Omăgiu lui Traian Săvulescu, pp.655-659, 3 fig., București, Editura Academiei Republicii Populare Romîne, 1959. [*Terfezia leonis* and *Tirmaria africana*]

BASIDIOMYCETES

4432. ANON. Groupe de Roanne. Exposition mycologique, 25 et 26 octobre. - Bull. mens. Soc. linn. Lyon, 28, 10, pp.307-308, 1959. [Notes on *Rhodotus palmatus*, *Geastrum melanocephalum*, and *Pluteus coccineus*.]
4433. BAS (C.). Verslag Paddestoelenonderzoekjes 1958. - Coolia, 6, 2-3, pp.11-19, 7 fig., 1959.
4434. BIGELOW (H.E.). Interesting fungi from Massachusetts. - Rhodora, 61, 725, pp.127-136, 2 fig., 1959. [5 agarics, 2 gasteros.]
4435. HANUŠ (L.). Vyzkum a pozorování hub rostoucích v ČSR. - C. C. H. mykol. Sborn., 36, 5-6, pp.71-75, 3 fig., 1959. [*Lepiota procera*, *Boletus luridus*.]
4436. HORÁK (E.). Beitrag zur Pilzflora des Burgenlands I. - Sydowia, 13, 1-6, pp.131-138, 1959.
4437. IMLER (L.). Notes critiques (suite). - Bull. Soc. mycol. Fr., 75, 1, pp.89-98, 1959. [Notes on *Tubiporus edulis*, *Xerocomus* spp., *Amanita muscaria*, a *Trachypus leucophaeus*, *Galera stagnina*, etc.]
4438. ITO (S.). Mycological flora of Japan 2 (5). Basidiomycetes (Agaricales, Gasteromycetes). - 658 pp., 249 figs., Yökendo, Tokyo, 1959. [Jap.]

4439. KALAMEES (K.). (Little known edible fungi.) - Eesti Loodus, 1958, 4, pp. 221-225, 1958. [Estonian.]
4440. KÁPTÁLAN (Margareta C.). Macromicete din pădurea Hoia. - Contr. Bot. Cluj, 1958, pp. 83-90, 12 fig., 1958. [52 spp.]
4441. KHINKOVA (T.). (On the distribution of the higher fungi in the eastern Rila mountains.) - Bull. Inst. bot. Sofia, 6, pp. 131-162, 1958. [Bulgarian.]
4442. KRISAI-KNYRIM (Dietlinde). Untersuchungen über Plasmakonfiguration und vitalfärbbarkeit von Hyphen aus Basidiomyceten-Fruchtkörpern. - Protoplasma, 51, 1, pp. 66-90, 14 fig., 1959.
4443. MATSUDA (I.). Ecological observations on the sand dune fungus flora. - Trans. mycol. Soc. Japan, 2, 1, pp. 2-4, 1959. [Japanese. 38 spp.]
4444. MEČÍŘ (J.). Červenec vpraktické mykologii Krkonoš. - C. C. H. mykol. Sborn., 35, 5-8, pp. 84-85, 1958.
4445. MEHTIEVA (Mme N. A.). (Materials for the mycoflora of the Kuba-Khachmas massif in Azerbaijan. - Basidiomycetes (Auriculariales, Aphyllophorales, Agaricales, Uredinales.) - Bull. Acad. Sci. Azerb. S.S.R., 1958, Ser. biol. agric. Sci., 1, pp. 11-22, 1958. [Russian with Azeri summary; 15 ref.]
4446. MOMMERS (M.). Toadstools that break the asphalt. - Maandbl. natuurh. Genoot. Limburg, 47, 5-6, pp. 71-73, 1958.
4447. NAKHUTSRISHVILI (I. G.). (Materials for the study of pileate fungi of Zemo Imeretia.) - Trud. Inst. bot. Tbilissi, 1958, 19, pp. 29-43, 1958. [Georgian with Russian summary.]
4448. RACOVITZA (A.). Étude systématique et biologique des champignons bryophiles. - Mém. Mus. Hist. nat., Paris, 10, 84 pl., 1959.
4449. REICHERT (I.) & AVIZOHAR-HERSHENZON (Zehara). A contribution to the knowledge of higher fungi in Israel. - Bull. Res. Coun. Israel, Sect. D, 7, 3-4, pp. 222-247, 6 pl., 4 fig., 1959. [32 taxa including *Tricholoma weizianum*, n. sp., *Crepidotus variabilis* var. *stercorarius*, n. var., and *Lepista sordida* var. *gracilis* n. var.]
4450. SMOTLACHA (M.). Hřib (modrák) sadní (lipový)-*Xerocomus* (*Boletus*) *pulverulentus* Opat. a *muchomůrka zelená*-*Am. phalloides* (Quél.) v roce 1958. - C. C. H. mykol. Sborn., 35, 5-8, pp. 87-88, 2 fig., 1958.

USTILAGINALES

4451. CIFERRI (R.). Revision of the ustilaginaceous smut fungi on Polygonaceae. - Acad. Rep. Pop. Rom., pp. 163-173, 1 fig., 1959. [26 taxa including 7 n. comb.]
4452. CIFERRI (R.). Tentative arrangement of the conidial stages of Tilletiaceae. - Op. cit., pp. 175-180, 1959. [49 taxa including 1 n. fam., 1 n. gen. etc.]
4453. EHRLICH (H.). Nuclear behavior in mycelium of a solopathogenic line and in a cross of two haploid lines of *Ustilago maydis* (DC.) Cda. - Mycologia, 50 (1958), 5, pp. 622-627, 1 graph, 1959.
4454. ELLETT (C. W.). The Ustilaginales (smut fungi) of Ohio. - Ohio J. Sci., 59, 5, pp. 313-318, 7 fig., 1959. [List of 45 spp. in 10 genera.]
4455. FELDMANN (Geneviève). Une Ustilaginale marine parasite du *Ruppia maritima* L. - Rev. gén. Bot., 70, 779, pp. 35-39, 1 fig., 1959. [*Melanotaenium ruppiae* n. sp.]
4456. GRASSO (V.). Formazione di pseudospore di *Ustilago kolleri* su acqua agarizzata. - Boll. Staz. Pat. veg., Roma, Ser. 3, 16(1958), 2, pp. 147-154, 2 fig., 1959.

4457. GROUET (Mme D.). Quelques données nouvelles relatives au cycle évolutif de l'Entyloma du Dahlia. - Rev. Path. vég., 37, pp. 217-226, 5 fig., 1958. [Excerpt. Bot., Sect. A, 2, 1, p. 26, 1960]
4458. HIRSCHHORN (Elisa). Comportamiento nuclear de Ustilago utriculosa Nees, durante la germinación de los clamidosporos. - Bol. Soc. argent. Bot., 8, 1, pp. 14-18, 34 fig., 1959.
4459. HIRSCHHORN (Elisa). Systematic and cytologic characteristics of the Ustilago spp. that attack the Paspalum in Argentina and Uruguay. - In Omăgiu lui Traian Savulescu, pp. 297-316, 7 pl. (12 fig.), București, Editura Academiei Republicii Populare Romîne, 1959. [Ustilago linderi n. sp. and U. microspora var. paspalicola n. var.]
4460. IGNATAVIČIŪTE (M.). (Smut fungi new for the flora of the Lithuanian S. S. R.) - Darb. biol. Inst., Vilnius, 3, pp. 339-353, 1958. [39 spp. Lithuanian.]
4461. KARYAGIN (I. I.) & UL'YANISHCHEV (V. I.). (New species of Trachynia and Ustilago from British Baluchistan.) - Proc. Acad. Sci. Azerb. S. S. R., 4, 11, pp. 489-492, 1948. [Russ.; Azerb. summ. Trachynia beludshistanica, n. sp., Ustilago trachyniae n. sp.]
4462. KUKKONEN (I.). Studying the systematics of the genus Cintractia Cornu. - Luonnon Tutk., 61, pp. 13-15, 3 fig., 1957.
4463. LINDEBERG (Brita). Ustilaginales of Sweden (exclusive of the Cintractias on Caricoideae). - Symb. bot. Upsaliens, 16, 2, 175 pp., 1959. Kr. 20. [2 n. var., 15 n. comb., and 1 n. sp.]
4464. MASSENOT (M.). Quelques récoltes d'Ustilaginales. (4me note). - Rev. Mycol., Paris, 24, 3, pp. 226-233, 2 fig., 1959. [10 collections.]
4465. SCHOLZ (H.). Melanopsichium pennsylvanicum Hirschhorn (Ustilaginaceae) erstmalig in Mitteleuropa. - Willdenowia, 2, 2, pp. 163-165, 1959.
4466. UL'YANISHCHEV (V. I.). (A new species of smut fungus from Azerbaijan - Tilletia spheonopi Uljanish. sp. nov. - panicle smut - Sanchagayağ sürmesi.) - [Dokl. Akad. Nauk Azerb. S. S. R.], 15, 5, pp. 415-418, 1 fig., 1959. [Russ.]
4467. UL'YANISHCHEV (V. I.). (New and rare species of smut fungi collected in Azerbaijan.) - Trud. Inst. Bot. Acad. Sci. Azerb. S. S. R., 15, pp. 74-107, 5 fig., 1950. [Russ. 5 n. sp., 1 n. comb. and 11 other taxa.]
4468. VISWANATHAN (T. S.). Chlamydospore germination and artificial culture of Tolysporium penicillariae. - Cellule, 59, 1, pp. 17-24, 1959.
4469. ZAMBETTAKIS (C.). Quelques aspects du cycle évolutif du Doassansia alismatis Cornu. - Rev. Mycol., Paris, 24, 2, pp. 107-114, 1 fig., 1959.

UREDINALES

4470. ANON. Revue bibliographique générale. - Uredineana, 5 (1958), pp. 569-689, 1959.
4471. ANON. Revue bibliographique régionale: Russie du Sud-Est; Chine. - Op. cit., pp. 543-568, 1959.
4472. ANON. Bibliographie (7e suite), 1431-1647. - Op. cit., pp. 691-705, 1959.
4473. ANON. Bibliographie (8e suite), 1648-1664. - Op. cit., pp. 707-708, 1959.
4474. ANON. Classement par pays et par régions des références bibliographiques (désignées par leur No. d'ordre relatives aux Urédinées (5e suite). - Op. cit., pp. 709-711, 1959.
4475. ANON. Corrections, additions et observations. V. Tomes I et II de 'Les Urédinées' de A. L. Guyot. - Op. cit., pp. 713-760, 1959.

4476. BASILE (Rita), LEONORI-OSSICINI (Agnese), & ZITELLI (Giuseppina). Le razze fisiologiche di *Puccinia recondita* Rob. ex Desm. [= *P. rubigo-vera* (DC.) Wint. f. sp. tritici (Erikss.) Carl.] identificate durante l'anno 1957. - Ann. Sper. agr. N.S., 13, 5, Suppl., pp. I-IV, 1959.
4477. BAXTER (J. W.). Notes on Rocky Mountain rust fungi. - Trans. Wis. Acad. Sci. Arts Lett., 47 (1958), pp. 131-135, 2 fig., 1959. [3 spp.]
4478. BAXTER (J. W.). A monograph of the genus *Uropyxis*. - Mycologia, 51, 2, pp. 210-226, 14 fig., 1959. [13 taxa, including 2 n. var. and 1 n. comb.]
4479. BOHOVÝK (I. V.). (Analysis of the rust fungi flora of the western regions of the Ukrainian S.S.R.) - (Dopov. Povidom. L'vov Univ.), 7, 3, pp. 36-39, 1957. [Ukrainian.]
4480. BUHR (H.). Rostpilze aus Mecklenburg und anderen Gebieten. - Uredineana, 5 (1958), pp. 11-136, 1959. [275 spp. under hosts.]
4481. CAMMACK (R. H.). Studies on *Puccinia polysora* Underw. III. Description and life cycle of *P. polysora* in West Africa. - Trans. Brit. mycol. Soc., 42, 1, pp. 55-58, 1959.
4482. CUMMINS (G. B.). Illustrated genera of rust fungi. - ii + 131 pp., 345 fig., Minneapolis, Burgess Publishing Company; London, Mayflower Publishing Company, 1959.
4483. CUMMINS (G. B.) & RAMACHAR (P.). The genus *Physopella* (Uredinales) replaces *Angiopsora*. - Mycologia, 50 (1958), 5, pp. 741-744, 1959. [18 n. comb.]
4484. CUTTER (V. M.). Studies on the isolation and growth of plant rusts in host tissue cultures and upon synthetic media. I. Gymnosporangium. - Mycologia, 51, 2, pp. 248-295, 3 fig., 1 graph, 1959.
4485. DOMASHOVA (Mme A. A.). (Rust fungi (Uredinales) of the Terskei-Alatau range in Kirgiz S.S.R.) - Bot. Zh. S.S.S.R., 44, 1, pp. 74-79, 1959. [Russ. 126 spp.]
4486. DUBEY (H. D.). Some new hosts of rusts from India. - Indian Phytopath., 11, 1, pp. 79-81, 4 fig., 1958. [4 spp.]
4487. DUPIAS (G.). Contribution à l'étude de la flore urédinologique du Sud-Ouest et des Pyrénées (France). 4e [25e] note. - Uredineana, 5 (1958), pp. 287-301, 1959. [About 60 spp. incl. 1 n. sp.]
4488. DUPIAS (G.). Étude expérimentale d'Uredinées Hétéroxènes. (Cinquième note). - Bull. Soc. Hist. nat. Toulouse, 93, 1-2, pp. 225-240, 1958.
4489. DUPIAS (G.). Étude expérimentale de *Puccinia triseti* Eriks. - Uredineana, 5 (1958), pp. 303-313, 8 fig., 1959.
4490. EZDAKOVA (Mme L. A.). (On infection in wild plants by rust fungi.) - Trud. Uzbek. gos. Univ., N.S., Bot., 1958, 84, pp. 17-23, 1958.
4491. GAMALITSKAYA (Mme N. A.). (On the rust fungi of the Chon-Kemin river basin.) - Trud. Inst. Bot., Kirgiz Acad. Sci., Ser. bot., 1958, 4, pp. 119-133, 1958. [Russian. 154 spp. including 2 new ones.]
4492. GAMALITSKAYA (Mme N. A.). Species novae Uredinalium. - Op. cit., pp. 135-137, 2 fig., 1958. [*Puccinia nevodovskii*, *P. aulacospermi* n. spp. Russian.]
4493. GÄUMANN (E.). Die Rostpilze Mitteleuropas mit besonderer Berücksichtigung der Schweiz. - Beitr. Kryptogamenfl. Schweiz., 12, pp. 1-1407, 1075 fig., 1959. [863 spp.]

4494. GÄUMANN (E.). Les espèces de *Puccinia* sur le genre *Crucianella*. - *Uredineana*, 5 (1958), pp. 249-254, 1 fig., 1 graph, 1959. [*P. maritima* n. sp.]
4495. GÄUMANN (E.) & TERRIER (C.). Le cycle évolutif de *Schroeteria* *alpinus* (Schroet.) Magn. - *Uredineana*, 5 (1958), pp. 255-260, 1959.
4496. GUYOT (A. L.). Contribution à l'étude des Urédinées parasites de la flore tunisienne. II. - *Uredineana*, 5 (1958), pp. 353-383, 13 fig., 1959. [incl. 1 n. sp.]
4497. GUYOT (A. L.) & CHEVASSUT (G.). De quelques Urédinées d'Algérie. - *Op. cit.*, pp. 385-400, 3 fig., 1959. [incl. 1 n. sp.]
4498. GUYOT (A. L.) & MASSENOT (M.). Contribution à l'étude des Urédinées du centre de la France. - *Op. cit.*, pp. 401-414, 1959.
4499. GUYOT (A. L.) & MASSENOT (M.). Contribution à l'étude des Urédinées de l'est de la France. - *Op. cit.*, pp. 415-460, 13 fig., 1959.
4500. GUYOT (A. L.) & MASSENOT (M.). Contribution à l'étude des Urédinées du sud-est de la France. V. - *Op. cit.*, pp. 461-505, 4 fig., 1959.
4501. GUYOT (A. L.) & MASSENOT (M.). Études expérimentales sur les Urédinées hétéroiques réalisées au Laboratoire de Botanique de l'École Nationale d'Agriculture de Grignon (Seine-et-Oise) au cours des années 1953-1955. - *Op. cit.*, pp. 525-542, 1959. [On *Clematis*, *Euphorbia*, and grasses.]
4502. GUYOT (A. L.) & MASSENOT (M.). Les rouilles des Genêts et des Cytises (*Uromyces genistae-tinctoriae* (Pers.) Wint. sensu lato). - *Op. cit.*, pp. 507-523, 1959. [4 spp., 2 new.]
4503. HENDERSON (D. M.). Uredinales from S. W. [N. W.] Asia. - *Notes R. bot. Gdn Edinb.*, 23, 1, pp. 71-83, 9 fig., 1959. [39 taxa from Turkey and neighbouring countries, including 2 new spp. of *Puccinia*. Also n. comb. *Urocystis syncocca* from Spain in a footnote.]
4504. HIRATSUKA (T.). The species of rust fungi parasitic on the grasses collected in the southern Kyûsyû and the Ryukyu Islands, Japan. - *Sci. Bull. Agric. Home Econ. Engng Div. Univ. Ryukyus* 5, pp. 23-106, 8 pl., 1 map, 1958. [55 spp. including 1 n. sp.]
4505. HIRATSUKA (N.). Materials for a rust-flora of the Japanese Archipelago. I. - *Trans. mycol. Soc. Japan*, 2, 2, pp. 9-11, 1959. [Jap. & Latin. 23 pp., including 5 n. spp., 3 n. comb.]
4506. HIRATSUKA (N.) & HIRATSUKA (Y.). Uredinales found in the Daitsetsuzan National Park Hokkaido, Japan. - *Sydowia*, 12 (1958), 1-6, pp. 363-385, 1959. [121 spp.]
4507. HIRATSUKA (N.) & SATO (S.). (A new species of *Uromyces* on *Veratrum grandiflorum*.) - *Trans. mycol. Soc. Japan*, 1959, 10, pp. 2-3, 3 fig., 1959. [Japanese.]
4508. JØRSTAD (I.). On some Chinese rusts chiefly collected by Dr. Harry Smith. - *Ark. Bot.*, Ser. 2, 4, 8, pp. 333-370, 9 fig., 1959. [82 spp. including 9 new.]
4509. JØRSTAD (I.). Uredinales from southern South America, the Falkland Islands and Juan Fernandez, chiefly collected by Carl Skottsberg. - *Op. cit.*, 4, 4, pp. 45-58, 1959. [51 specimens.]
4510. JØRSTAD (I.). Uredinales from South America and tropical North America chiefly collected by Swedish botanists. II. - *Op. cit.*, 4, 5, pp. 59-103, 1959. [99 spp. including 4 new.]
4511. JØRSTAD (I.). Notes on some Asiatic Uredinales. - *Nytt Mag. Bot.*, 7, pp. 129-144, 1959. [*Puccinia artemisiae-sibiricae*, *Uredo conyzicola*, and *U. sumatrensis* n. spp.]

4512. KAZENAS (L. D.). (New species of rust fungi from Kazakhstan.) - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp. 230-233, 3 fig., 1959. [Russian. *Uromyces anabasis* and *Puccinia naumovii*.]
4513. KAUL (B.). A new host for *Melampsora helioscopae* (Pers.) Wint. from Kashmir. - Sci. & Cult., 24, 12, pp. 573-574, 4 fig., 1959.
4514. LEHOCZKY (J.). Biological specialization of the rust fungus *Uromyces scillarum* (Grev.) Wint. - Act bot. Acad. Sci. Hung., 5, 3-4, pp. 391-398, 3 fig., 1959.
4515. LINDQUIST (J. C.). Les espèces d'*Uromyces*, parasitant *Vicia* et *Lathyrus*, dans la partie méridionale de l'Amérique du Sud. - In Omăgiu lui Traian Săvulescu, pp. 401-405, București Editura Academiei Republicii Populare Romîne, 1959. [5 spp.]
4516. LINDQUIST (J. C.). Notas uredinológicas V. - Rev. Fac. Agron. La Plata, Ser. 3, 34, 2a, pp. 209-222, 1958. [10 spp.]
4517. LINDTNER (V.). Les Urédinées rares de la Yougoslavie. - In Omăgiu lui Traian Săvulescu, pp. 407-418, 5 fig., București, Editura Academiei Republicii Populare Romîne, 1959. [17 spp. including *Uromyces moesiacus* n. sp.]
4518. MASSENOT (M.). Les rouilles des Rhapontics. - Urédineana, 5 (1958), pp. 315-325, 3 fig., 1959. [4 spp.]
4519. MASSENOT (M.). Les rouilles des Serratules. - Op. cit., pp. 327-351, 12 fig., 1 map, 1959. [9 spp. incl. 1 n. spp.]
4520. MAYOR (E.). Étude expérimentale de quelques Urédinées hétéroïques. - Op. cit., pp. 263-286, 1959. [6 spp.]
4521. MAYOR (E.). Étude expérimentale de deux *Puccinia* hétéroïques. - In Omăgiu lui Traian Săvulescu, pp. 443-449, București, Editura Academiei Republicii Populare Romîne, 1959. [*P. symphyti-bromorum* and *P. urticae-ferrugineae*]
4522. MOKRITSKAYA (Mme M. S.). (On the interpretation of the species *Phragmidium subcorticium* (Schr.) Wint.) - Bot. Zh. S.S.S.R., 44, 3, pp. 386-389, 1959. [Russian.]
4523. MOKRITSKAYA (Mme M. S.). (Rose rust in the Leningrad region.) - Bull. centr. bot. Gdn, Moscow, 1958, 32, pp. 96-105, 2 fig., 1958. [*Phragmidium disciflorum* and *P. rosae-pimpinellifoliae*.]
4524. MORIMOTO (Y.). Notes on rust fungi of Japan. - J. Jap. Bot., 34, 6, pp. 185-189, 7 fig., 1959. [9 spp. including *Puccinia hibayamensis*, *P. iwakuniensis*, *P. akiyoshidanensis*, *P. takikibicola*, spp. nov.]
4525. MOWSZOWICZ (J.) & KADŁUBOWSKA (Joanna Z.). (The formation of aecidia of *Puccinia* and *Uromyces* spp. on both surfaces of leaves.) - Zesz. nauk. Uniw. Łódz. Ser. 2 (1957), 3, pp. 11-13, 1957. [Polish 6 spp. of *Puccinia*, 1 of *Uromyces*.]
4526. NATAL'INA (Mme O. B.). (On a new type of infection of the cultivated Raspberry by the fungus *Phragmidium rubi-idaei* Karst.) - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp. 233-237, 3 fig., 1959. [Russian.]
4527. NATAL'INA (Mme O. B.). (Concerning the orange rust of Raspberry in the U.S.S.R.) - Bot. Zh. S.S.S.R., 44, 10, pp. 1498-1499, 1959. [Russ. *Gymnoconia peckiana*.]
4528. PETRAK (F.). Über eine neue *Puccinia*-Art der australischen Flora, *Puccinia pryorii* n. spec. - Sydowia, 12 (1958), 1-6, pp. 146-148, 1 fig., 1959. [On *Oreomyrhrhis ciliata*.]

4529. RADMAN (Ljubica). La rouille du Prunier en Yougoslavie. Contribution à l'étude morphologique et biologique de *Tranzschelia pruni-spinosae* (Pers.) Diet. - Rev. gén. Sci., pur. Appl., 65, 7-8, pp. 215-225, 9 fig., 1958.
4530. RAYSS (T[SCHARNA]) & CHABELSKA (C.). Quelques précisions sur les Uredinées hétéroxènes de Palestine. - Uredineana, 5 (1958), pp. 5-9, 1959. [5 exemples.]
4531. JOSHI (L. M.) & REDDY (A. R.). Taxonomic studies of *Uromyces* on *Indigofera* species in India. - Indian Phytopath., 11, 1, pp. 59-61, 1958. [*U. indigoferae* syn. *U. orientalis*.]
4532. SANSOME (Eva). Pachytene in *Puccinia kraussiana* Cooke, on *Smilax kraussiana*. - Nature, Lond., 184, 4701, pp. 1820-1821, 3 fig., 1959.
4533. SIDDIQUI (M. R.) & PRASADA (R.). Heterothallism in *Puccinia carthami* (Hutz) Corda, the rust of Safflower. - Indian Phytopath., 12, 1, pp. 59-68, 4 pl., 17 fig., 1959.
4534. SOLHEIM (W. G.) & CUMMINS (G. B.). Mycoflora saximontanensis exsiccata. Centum IX. - Publ. Univ. Wyoming, 23, 3, pp. 23-37, 1959. [Nos. 801-900]
4535. SOLHEIM (W. G.) & CUMMINS (G. B.). Ibid. Centum X. - Op. cit., 23, 4, pp. 38-51, 1959. [Nos. 901-1000]
4536. TEAKLE (D. S.). *Puccinia argophylli* sp. n. on *Argophyllum nullumense* in Queensland. - Qd J. agric. Sci., 16, 1, pp. 91-92, 1 fig., 1959.
4537. TERRIER (C.). *Gagea pinardi* Terrac., hôte méconnu de *Puccinia pachyderma* Wettst. - Uredineana, 5 (1958), pp. 261-262, 1959.
4538. TOMILIN (B. A.). (Rust fungi (Uredinales) from the Kursk region.) - Bot. Zh. S.S.S.R., 44, 7, pp. 1010-1014, 1959. [132 spp.]
4539. VIENNOT-BOURGIN (G.). Uredinales d'Afrique. (5e note). Uredinales de Côte d'Ivoire (4e note). - Uredineana, 5 (1958), pp. 137-248, 66 fig., 1959. [95 spp. incl. 22 new sp.]
4540. WEBSTER (J.). *Puccinia angelicae-bistortae* and *P. polemonii*, two rusts new to Britain. - Trans. Brit. mycol. Soc., 43, 2, pp. 328-331, 1 fig., 1959.
4541. ZEINALOVA (Mme V. M.). (Materials for the study of rust fungi on the grasses of Azerbaijan.) - Trud. Inst. zemled. AN Azerb. S.S.R., 1958, 4, pp. 45-47, 1958.
4542. ZENTENO Z. (Martha). Estudios sobre hongos parásitos de Gramíneas de la República Mexicana. I. Algunas especies de los géneros *Puccinia* y *Uromyces*. - An. Inst. Biol. Univ. Méx., 29, 1 & 2, pp. 19-47, 8 pl., 33 fig., 1958.
4543. ZILLER (W. G.). Studies of western tree rusts. IV. *Uredinopsis hashiokai* and *U. pteridis* causing perennial needle rust of Fir. - Canad. J. Bot., 37, 1, pp. 93-107, 3 pl., 1 diag., 1959.
4544. ZILLER (W. G.). Ibid. V. The rusts of Hemlock and Fir caused by *Melampsora epitea*. - Op. cit., 37, 1, pp. 109-119, 2 pl., 1 diag., 1959.

TREMELLALES

4545. BANDONI (R. J.). An undescribed species of *Platyglea* from Iowa. - Mycologia, 51, 1, pp. 94-96, 1 fig., 1959. [*P. abdita*]
4546. BOEDIJN (K. B.). A species of *Septobasidium* shedding its immature Basidia. - Persoonia, 1, 1, pp. 21-23, 5 fig., 1959. [*S. planum*, n. sp., also *Uredinella*.]

4547. KENNEDY (Lorene L.). The genera of the Dacrymycetaceae. - Mycologia, 50 (1958), 6, pp.874-895, 1959. [9 genera and key.]
4548. KENNEDY (Lorene L.). The genus Dacrymyces. - Op. cit., pp.896-915, 1959. [12 taxa including 3 n.var.]
4549. LAFFIN (R. J.) & CUTTER (V. M.). Investigations on the life cycle of *Sporidiobolus johnsonii*. I. Irradiation and cytological studies. - J. Elisha Mitchell sci. Soc., 75, 2, pp.89-96, 2 pl., (32 fig.), 1 fig., 1 graph, 1959.
4550. LAFFIN (R. J.) & CUTTER (V. M.). Ibid. II. Mutants and micromanipulation. - Op. cit., pp.97-100, 1959.
4551. MARTIN (G. W.). A new species of Dacrymyces from Honduras. - Mycologia, 50 (1958), 6 pp.939-941, 7 fig., 1959.
4552. PILÁT (A.). *Eocronartium muscicola* (Pers. ex Fr.) Fitzp. - Čes. Mykol., 13, 1, pp.25-26, 1 fig., 1959.
4553. REIMERS (H.). Über *Herpobasidium filicinum* (Rostr.) Lind (Auricularales), sein Vorkommen in Mitteleuropa und seine systematische Stellung. - Willdenowia, 2, pp.7-14, 1 fig., 1958.
4554. SPEAIRS (R. K.) & LOWY (B.). Notes on Tremella in North America. - Proc. La Acad. Sci., 20 (1957), pp.83-84, 1958. [19 spp.]
- HYMENOMYCETES
4555. BAKSHI (B. K.). New records of Hymenomycetes in India. - Indian Phytopath., 11, 1, p.88, 1958. [List of 37 spp.]
4556. BENEDIX (E. H.). Das Verhältnis der Boletaceen zu den Aphyllophorales und Agaricales. - Z. Pilzk., 25, 2, pp.41-50, 4 fig., 1959.
4557. BONNET (J. L.). Application de la chromatographie sur papier à l'étude de divers champignons (Basidiomycètes - Hyménomycètes). - Bull. Soc. mycol. Fr., 75, 3, pp.215-352, 1959.
4558. BRIELMAIER (G. W.). Pilzreisen auf der Zeiler Höhe. - Aus d. Heimat, Stuttgart, Abt. 2, 66, pp.115-116, 2 fig., 1958. [4 spp. 2 of *Grifola*, 2 of *Clitocybe*.]
4559. DONK (M. A.). Notes on 'Cyphellaceae'. I. - Persoonia, 1, 1, pp.25-110, 1959. [2 n.gen., 7 n.comb.]
4560. FRIES (N.). Paper chromatography as a diagnostic aid in Hymenomycetes. - Ann. Acad. Reg. Sci. Upsal., 2, pp.5-16, 1958.
4561. ITO (S.). (Miscellaneous notes on mushrooms (3)). - Trans. mycol. Soc. Japan, 1959, 10, pp.10-15, 1959. [Japanese.]
4562. MAZELAITIS (J.). (Materials for the Hymenomycete flora of the Lithuanian S.S.R.) - Darb. biol. Inst., Vilnius, 3, pp.13-54, 1958. [315 spp. Lithuanian.]
4563. SYARZHANINA (Mme G. I.). (Cap fungi in the protected area of Dzyarzhawno on the river Berezhina.) - Vestn. Akad. Nauk. B.S.S.R., Ser. Biol. Sci., 3, 1959, pp.133-121, 1959. [White Russian. A list of 115 Hymenomycetes]
4564. SYARZHANINA (Mme G.). (Data from the study of cap fungi in the western regions of White Russia.) - Vestn. Akad. Nauk. B.S.S.R., Ser. Biol. Sci., 1958, 4, pp.56-63, 1959. [White Russian. 92 spp.]
4565. TALBOT (P. H. B.). Studies on some South African resupinate Hymenomycetes, Part II. - Bothalia, 7, 1, pp.131-187, 7 pl., 1958.
4566. VASIL'KOV (B. P.). (On species in the cap fungi.) - ex The Problem of Species in Botany, I. Moscow-Leinograd, Academy of Sciences of the U.S.S.R., pp.85-101, 1958. [Russ.]

THELEPHORACEAE

4567. BOEDIJN (K. B.). The genus *Actiniceps* Berk. & Br. - *Persoonia*, 1, 1, pp. 11-14, 5 fig., 1959. [= *Wiesnerina* and *Dimorphocystis*; 4 n. comb.]
4568. BOIDIN (J.). Hétérobasidiomycètes saprophytes et homobasidiomycètes résupinés. III. *Peniophora clematidis* Bourd. et Galz. - *Ann. Univ. Lyon*, Ser. 3 (Sci.), Sect. C, 10, pp. 29-40, 1958.
4569. BOIDIN (J.). Ibid. IV. Les *Peniophora* section *coloratae* B. & G. à dendrophyses. - *Bull. Soc. mycol. Fr.*, 74 (1958), 4, pp. 436-481, 12 fig., 1959.
4570. BOIDIN (J.). Ibid. VI. Essai sur le genre *Stereum* sensu lato (Deuxième partie). - *Rev. Mycol.*, Paris, 24, 3, pp. 197-225, 6 fig., 1959. [*Cotylidia* emend., *Podoscypha* emend., and *Cymatoderma*.]
4571. BOIDIN (J.). Ibid. VII. Essai sur le genre "*Stereum* sensu lato". (Troisième contribution). - *Bull. mens. Soc. linn. Lyon*, 28, 7, pp. 205-222, 2 fig., 1959. [4 n. comb.]
4572. CHRISTIANSEN (M. P.). Danish finds of *Tomentellina bombycina* (Karst.) Bourd. & Galz. - *Friesia*, 6 (1957-58), 1-2, pp. 11-12, 1 fig., 1959.
4573. MALENÇON (G.). Le développement des spores chez les Phylactériés. - *Bull. Soc. mycol. Fr.*, 74 (1958), 4, pp. 423-435, 5 fig., 1959.
4574. MOENS (J.). *Coniophorella olivacea* (Fr.) Karst. - *Z. Pilzk.*, 24 (1958), 3-4, pp. 91-93, 1 fig., 1959.
4575. POUZAR (Z.). Nové rody vyšších hub III. - *Čes. mykol.*, 13, 1, pp. 10-19, 1 pl., 5 fig., 1959. [7 n. gen.]
4576. REID (D. A.). The genus *Cymatoderma* Jungh. (*Cladoderris*). - *Kew Bull.*, 1958, 3, pp. 518-530, 1959. [8 n. comb.]

EXOBASIDIACEAE

4577. DENNIS (R. W. G.). Fungi venezuelani: - I; *Exobasidium Woronin*. - *Kew Bull.*, 1958, 3, pp. 402-403, 1 pl., 1 fig., 1959. [*E. emeritensen* sp.]
4578. SAVILE (D. B. O.). Notes on *Exobasidium*. - *Canad. J. Bot.*, 37, 4, pp. 641-656, 12 fig., 1 diag., 1959. [3 n. sp., 2 n. var., 1 n. comb.]

CLAVARIACEAE

4579. PILÁT (A.). Vzácnější kyjankovité houby nalezené v Čechách r. 1958. - *Čes. Mykol.*, 13, 2, pp. 73-85, 4 pl., 8 fig., 1959. [13 spp.]
4580. PILÁT (A.). Kyjankovité houby z Belánských Tater. - *Acta Mus. nat. Prag.*, 15, B, 2, pp. 111-124, 5 pl., 1 fig., 1959.

HYDNACEAE

4581. BÜCKEBEIL (A.). Die Entwicklung von *Pleurodon auriscalpius* L. - *Aus d. Heimat, Stuttgart*, Abt. 2, 66, pp. 72-74, 1958.
4582. CUNNINGHAM (G. H.). Hydnaceae of New Zealand. II. The genus *Odontia*. - *Trans. roy. Soc. N. Z.*, 86, 1-2, pp. 65-103, 29 fig., 1959.
4583. GEESTERANUS (R. A. M.). The stipitate hydnums of the Netherlands. III. *Phellodon* P. Karst. and *Bankera* Coker & Beers ex Pouz. - *Fungus, Wageningen*, 28, 1-4, pp. 48-61, 1958.
4584. GEESTERANUS (R. A. M.). Ibid. IV. *Auriscalpium* S. F. Gray, *Hericium* Pers. ex S. F. Gray, *Hydnum* L. ex Fr., and *Sistotrema* Fr. em. Donk. - *Persoonia*, 1, 1, pp. 115-147, 1959. [*H. heimii* n. sp.]

4585. GEESTERANUS (R. A. M.). Sur un Hydnellum méconnu. - Persoonia, 1, 1, pp. 111-114, 8 fig., 1959. [H. auratile, n. comb.]
4586. MASSON (P.). Notes sur quelques Hydnacées de la province Québec. - Ann. ACFA, 24, p. 82, 1958. [Excerpt. Bot., Sect. A, 2, 1, p. 34, 1960.]
4587. NIKOLAJEWA (Mme T. L.). Schizosporenbildung bei russischen Hydnaceen. - Z. Pilzk., 24 (1958), 3-4, pp. 61-67, 1 map, 1959.

POLYPORACEAE

4588. BAKSHI (B. K.) & SINGH (B.). The Indian species of Merulius. - Indian Phytopath., 11, 1, pp. 70-75, 4 fig., 1958.
4589. BAKSHI (B. K.), SINGH (B.), & CHOUDHURY (T.). Occurrence of Merulius himantoides in India. - Indian Phytopath., 11, 1, pp. 25-28, 1 pl., 1 fig., 1 diag., 1958.
4590. BANERJEE (S.) & SARKAR (A.). Spore forms in sporophores of Ganoderma lucidum (Leyss.) Karst. - Proc. Indian Acad. Sci., Sect. B, 49, 2, pp. 94-98, 1 fig., 1959.
4591. BONDARTSEV (A. S.). (On the systematic position of some genera and species of the Polyporaceae s. str.) - Bot. Zh. S. S. S. R., 44, 4, pp. 447-456, 5 fig., 1959. [Russian. 1 n. comb.]
4592. BONDARTSEV (A. S.). (Bracket fungi of the European part of the U. S. S. R. and of the Caucasus.) - 1106 pp., 188 pl., (1 col.), 172 fig., U. S. S. R. Academy of Sciences Publisher, Moscow-Leningrad, 1953.
4593. BONDARTSEV (A. S.) & PARMAS TO (É.). (On species of the genus Serpula (Meruliaceae) new for the U. S. S. R. found in the Estonian S. S. R.) - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U. S. S. R.), 12, pp. 243-247, 2 fig., 1959. [Russian. 2 spp.]
4594. BONDARTSEVA (Mme M. A.). (On a new form of the polypore fungus Phellinus torulosus (Pers.) Bourd. & Galz. on Arbutus andrachne L. and A. unedo L.) - Op. cit., 12, pp. 247-249, 1959. [Russian.]
4595. DOMAŃSKI (S.). Niektóre gatunki rodzaju Poria zebrane w Puszczy Białowieskiej. - Monogr. Bot., 8, pp. 153-169, 14 fig., 1959. [4 spp.]
4596. DOMAŃSKI (S.). Dwa rzadkie gatunki grzybów: Leptoporus lapponicus (Rom.) Pil. I. Phaeolus alboluteus (Ell. & Ev.) Pil. w Puszczy Białowieskiej. - Op. cit., 8, pp. 171-181, 8 fig., 1959.
4597. FIDALGO (Maria E. P. K.). Note on Lenzites cinnamomea Fr. - Mycologia, 50 (1958), 5, pp. 753-756, 2 fig., 1959.
4598. FIDALGO (Maria E. P. K.). Note on Xerotus afer Fr., Op. cit., 51, 1, pp. 51-55, 2 fig., 1959.
4599. FIDALGO (O.). Studies on Ptychogaster rubescens Boud. The chlamydosporiferous form of Polyporus guttulatus Pk. - Mycologia, 50 (1958), 6, pp. 831-836, 4 fig., 1959.
4600. FIDALGO (O.). Binomial combinations related to Polyporus acanthoides Fr. - Bull. Torrey bot. Cl., 86, 2, pp. 130-136, 3 fig., 1959.
4601. GIRBARDT (M.). Experimentelle Zellkern - Verlagerung in Pilzhyphen. - Protoplasma, 50, 3, pp. 483-492, 13 fig., 1959. [Polystictus versicolor and Trametes gibbosa.]
4602. HANSEN (Lise). On the anatomy of the Danish species of Ganoderma. - Bot. Tidsskr., 54, 4, pp. 333-352, 9 fig., 1958.
4603. HEIM (R.). Le champignon de la tigresse. - Rev. Mycol., Paris, 24, 3, (Suppl.), pp. 275-276, 1 fig., 1959 [Leucoporus sacer.]

4604. JACQUIOT (C.). Étude comparée de *Phellinus robustus* (B. et G.) Karst. et de *P. hartigii* Allesch. et Schn. en culture. - C.R.Acad. Sci., Paris, 249, 16, pp.1548-1550, 1959.
4605. KOTLABA (F.) & POUZAR (Z.). Nové nebo málo známé chorože pro Československo. IV. - Čes. Mykol., 13, 1, pp.27-37, 3 fig., 1959. [3 n. comb.]
4606. KOMAROVA (Mme E.P.). (Rare species and new forms of polypore fungi observed in White Russia.) - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp.249-257, 8 fig., 1959. [Russian. 6 spp. incl. 1 n. comb., 1 n. var., and 3 n. f.]
4607. KÜHLWEIN (H.). Bemerkungen zur Gattung *Merulius*. - Z. Pilzk., 23, pp. 90-92, 1957.
4608. LOWY (B.) & WELDEN (A.L.). Synopsis of Louisiana polypores. - Amer. Midl. Nat., 61, pp.329-349, 1959.
4609. McKAY (Hazel). Cultural basis for maintaining *Polyporus cinnabarinus* and *P. sanguineus* as two distinct species. - Mycologia, 51, 3, pp.465-473, 2 fig., 1959.
4610. PARMAS TO (É.K.). (A new species of the genus *Chaetoporus* (fam. Polyporaceae)). - Eesti NSV teadus. Akad. Toimet., Ser. biol., 1959, 2, pp. 113-117, 2 pl., 3 fig., 1959. [Russian. Estonian and English summaries. *Chaetoporus pseudozilingianus* sp. n.]
4611. PARMAS TO (É.). (On the distribution of some rare species of Polyporaceae) - Op. cit., 1959, 4, pp.266-278, 3 pl. (7 fig.), 6 fig., 3 maps, 1959. [Estonian. 3 spp. including 2 n. comb.]
4612. PARMAS TO (É.). Tähtsamate Eesti NSV torikuliste Määräja. - Loodus. selts Eesti NSV teadus. Akad., 26, pp.3-70, 4 pl. (8 fig.), 60 fig., [Estonian. About 80 taxa.]
4613. PARMAS TO (É.). (New species and forms of polypore fungi observed in the Estonian S.S.R.) - Bot. Mater (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp.237-242, 1 pl., 4 fig., 1959. [Russian. 2 n. spp. 2 n. f.]
4614. PARMAS TO (É.K.). (Polyporaceae of the Estonian S.S.R.) - (Trud. bot. Inst. V.L. Komarov), Ser. II, 12, pp.213-273, 2 pl., (4 fig.), 21 fig., 14 maps, 1959. [Russian. 130 spp.]
4615. PETRAK (F.). Über eine neue *Daedalea*-Art aus Borneo. - Sydowia, 13, 1-6, pp.139-142, 3 fig., 1959. [*D. stevensonii* n. sp.]
4616. REID (D.A.), THIND (K.S.), & CHATRATH (M.S.). The Polyporaceae of the Mussoorie Hills (India). IV. - Trans. Brit. mycol. Soc., 42, 1, pp. 40-44, 3 fig., 1959. [Nos. 25-27 including 1 n. sp. and 1 n. var.]
4617. SARKAR (A.). Studies in wood-inhabiting Hymenomycetes. IV. The genus *Corirolellus* Murr. - Canad. J. Bot., 37, 6, pp.1251-1270, 2 pl. (27 fig.), 87 fig., 1959. [6 spp. including 2 n. comb.]
4618. SARKAR (A.). Nuclear phenomena in the life cycle of *Ganoderma lucidum* (Leyss ex Fr.) Karst. - Canad. J. Bot., 37, 1, pp.59-64, 21 fig., 1959.
4619. SPÁLENÝ (J.). *Polyporus* (Fomes) *Fechtneri* Vel. Choroš Fechtnerův. - C.C.H. mykol. Sborn., 36, 7-10, pp.104-105, 1 fig., 1959.
4620. TEIXEIRA (A.R.). Studies on microstructure of *Laricifomes officinalis*. - Mycologia, 50 (1958), 5, pp.671-676, 6 fig., 1959.
4621. WILDERVANCK (L.S.). *Merulius* (*Serpula*) *lacrymans* en sociale geneeskunde. - Coolia, 6, 1, pp.1-2, 1959.

BOLETACEAE

4622. BENEDIX (E. H.). *Boletus rubinus* Sm. in Mitteleuropa. - Z. Pilzk., 23, pp. 84-89, 2 fig., 1957.
4623. CHMELÍČEK (J.). Smotlachovo rozdělení hřibovitých z roku 1950-C. C. H. mykol. Sborn., 35, 9-10, pp. 134-139, 3 fig., 1959. [Classification.]
4624. HLAVÁČEK (J.). *Leccinum aurantiacum* S. F. Gray var. *sanguinescens* (Velenovský) comb. n., kozár křemenáč krvavějící. - C. C. H. mykol. Sborn., 34 (1957-8), 3-6, pp. 59-64, 1958.
4625. KREISEL (H.). Ist der Rostrote Lärchen-Röhrling, *Suillus tridentinus*, eine südliche Art? - Westfäl. Pilzbriefe 2, pp. 17-18, 1959.
4626. MACKŮ (J.). *Boletus rubinus* W. G. Smith a *Boletus pseudosulphureus* Kallenbach dva nové vzácné druhy hřibů v CSR. - Čes. Mykol., 13, 2, pp. 87-92, 2 fig., 1959.
4627. PONCE DE LEÓN Y CARRILLO (P.). Contribución al estudio de los hongos Cubanos. Una especie nueva de Boletaceae. - Rev. Soc. cubana Bot., 15, pp. 78-80, 1959. [*Ceratomyces havanensis*]
4628. SMOTLACHA (F.). Hřib (modrák) sadní neboli lipovy. - C. C. H. Mykol. Sborn., 35, 5-8, pp. 86-87, 1 fig., 1958. [*Boletus hortensis* and other spp.]
4629. SMOTLACHA (F.). Hřib (klouzek) kožešník, strakoš (písečník), kačenka. - Op. cit., 36, 1-4, pp. 14-16, 1 fig., 1959. [*Boletus* spp.]
4630. THIERS (H. D.). Notes on the genus *Boletus* in Texas. - Tex. J. Sci., 11, 3, pp. 314-319, 1959.
4631. VASIL' EVA (Mme L. N.). (On the Boletaceae flora of the southern part of the Far East.) - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp. 263-266, 1 col. pl., 1959. [Russian. 3 spp., 2 new]
4632. VASIL' KOV (B. P.). (A species of the fam. Boletaceae new to China.) - Bot. Zh. S. S. S. R., 44, 10, pp. 1479-1480, 1959. [Russ. *Phaeogropyroporus tropicus*.]

AGARICACEAE

4633. ANDERSSON (S. O.). Svampfynd från sydvästra Sverige. - Friesia, 6 (1957-58), 1-2, pp. 40-46, 4 fig., 1959. [7 spp.]
4634. BABOS (M.). Studies on Hungarian *Lepiota* species. I. Rare *Lepiota* species from the Hungarian central mountains. - Ann. hist.-nat. Mus. hung. 1958, 50 (new ser. 9), pp. 87-92, 1958. [n. spp.]
4635. BENEDIX (E. H.). *Coprinus insignis* oder *alopecia*? - Z. Pilzk., 24, 1, pp. 12-15, 1 fig., 1958.
4636. BIGELOW (H. E.). Notes on fungi from Northern Canada. IV. *Tricholomataceae*. - Canad. J. Bot., 37, 5, pp. 769-779, 1959. [1 n. gen., 6 n. comb.]
4637. BLINOVSKIĬ (K. V.). (Peculiarities in the development *Boletus granulatus* in the desert.) - Nature, Moscow, 48, 3, pp. 118, 1959. [Russian.]
4638. BLUM (J.). A propos de *Russules*. - Rev. Mycol., Paris, 24, 2, Suppl., pp. 125-138, 1959.
4639. BOHUS (G.). Results of systematic and ecological researches in the Agaricales III. - Bot. Közl., 47, 3-4, pp. 273-276, 1958. [Hung.]
4640. BUCH (R.). Die Blätterpilze des nordwestlichen Sachsens. Ein Beitrag zur Kenntnis der Blätterpilze Deutschland. - 346 pp., 3 pl., 84 fig., Leipzig, Geest & Portig K.-G., 1952.

4641. BÜLOW (K.) & MØLLER (F. H.). *Tricholoma helviodor* Pilát et Svrček (Karry-Ridderhat), en for Danmark ny Ridderhat. - Friesia, 6 (1957-58), 1-2, pp. 13-15, 1 fig., 1959.
4642. CHMELÍČEK (J.). Přezkoumejme jedlost čirůvky odlišné! - C. C. H. mykol. Sborn., 36, 7-10, p. 127, 1959. [*Tricholoma sejunctum*]
4643. CHRISTIANSEN (M. P.). Two new Danish *Pleurotus* forms: *Pleurotus atrocaeruleus* Fr. and *P. myxotrichus* Lév. var. *bisporus* var. n. - Friesia, 6 (1957-58), 1-2, pp. 7-10, 2 fig., 1959.
4644. DAY (P. R.). A cytoplasmically controlled abnormality of the tetrads of *Coprinus lagopus*. - Heredity, 13, 1, pp. 81-87, 1 pl., 1959.
4645. DVOŘÁKOVÁ (Milada). Houby a jejich využití. Obliba masáku. - C. C. H. mykol. Sborn., 36, 5-6, pp. 75-77, 2 fig., 1959. [*Amanita rubescens* and *Lactarius turpis*.]
4646. EGLI (H.). *Lepiota helveola* (Bresadola). - Schweiz. Z. Pilzk., 37, 11, pp. 169-173, 8 fig., 1959.
4647. FÁBRY (I.). Ako určit rod lúpenatej huby? - C. C. H. mykol. Sborn., 35, 5-8, pp. 72-78, 1 fig., 1958.
4648. FÁBRY (I.). Ibid. II. - Op. cit., 35, 9-10, pp. 129-134, 1 fig., 1959.
4649. FÁBRY (I.). Ibid. III. - Op. cit., 36, 1-4, pp. 1-13, 4 fig., 1959.
4650. FÁBRY (I.). Ako určit rod lúpenatej huby. - C. C. H. mykol. Sborn., 36, 5-6, pp. 69-71, 1959.
4651. FAVRE (J.). Agaricales nouvelles ou peu connues II. - Bull. suisse Mycol., 35, pp. 117-122, 1 pl., 1957. [Excerpt. Bot., Sect. A, 2, 1, p. 25, 1960.]
4652. GABRIEL (Madeleine). Recherches sur les pigments des Agaricales. II. Comparaison des pigments de *Hypholoma fasciculare* (Fr. ex Huds.), *capnoides* (Fr.) et *sublateritium* (Fr. ex Schaeff.). - Bull. Soc. mycol. Fr., 75, 2, pp. 159-169, 3 fig., 5 graphs, 1959.
4653. GÁLFFY (Z.). A *Galeropsis desertorum* Vel. et Dwor. magyarországi előfordulása. - Orsz. mezőgazd. minőségvizsg. int. Évk., 1954-55 (1957), 3, pp. 373-376, 1957.
4654. GANZHA (R. V.). (On the cap fungi and reserves of edible fungi in the pine forests of the Poltava region.) - Bot. Zh. S. S. S. R., 44, 2, pp. 193-197, 1959. [Russ.]
4655. GEESTERANUS (R. A. M.). Mycologisch nieuws. - Coolia, 6, 1, pp. 3-4, 1959. [*Pluteus* spp.]
4656. GIRARD (R.) & HEINEMANN (P.). *Russula carpinii*. - Bull. Soc. mycol. Fr., 74 (1958), 4, pp. 492-497, 1 col. pl., 1 fig., 1959.
4657. GRÖGER (F.). *Coprinus platypus* Berk., ein seltener Tintling. - Z. Pilzk., 25, 2, pp. 55-56, 1 fig., 1959.
4658. GRZYMALA (S.). Vergiftungen durch *Paxillus involutus* (Batsch) Fr. - Z. Pilzk., 24, 1, pp. 19-21, 1958. [In comparison with other basidiomycetes.]
4659. HAAS (H.). *Clitocybe venustissima* Fr. in Stuttgart wiederentdeckt. - Z. Pilzk., 24, 1, pp. 9-12, 1 fig., 1958.
4660. HÁSEK (J.). Čirůvka ošemetná. - C. C. H. mykol. Sborn., 35, 9-10, pp. 139-140, 1959. [*Tricholoma pseudosaponaceum* n. sp.]
4661. HEIM (R.). Diagnoses latines des *Psilocybes* hallucinogènes de la stirpe *cordispora*. - Rev. Mycol., Paris, 24, 2, pp. 103-106, 1959.

4662. HEIM (R.). *Termitomyces*. - Flore iconographique des Champignons du Congo, Fasc. 7, pp. 139-151, 3 col. pl., 1958.
4663. HEINEMANN (P.). *Cantharellineae*. - Flore iconographique des Champignons du Congo, Fasc. 8, pp. 153-165, 3 col. pl., 1959.
4664. HEINEMANN (P.). *Agaricus II and Pilosace*. - Flore iconographique des Champignons du Congo, Fasc. 6, pp. 121-130, 2 col. pl., 1957.
4665. HENRY (R.). Suite à l'étude des Cortinaires. II. Champignons non visqueux. - Bull. Soc. mycol. Fr., 74 (1958), 4, pp. 365-422, 11 fig., 1959.
4666. HERINK (J.). Šťavnatkovité houby parhorku "Velká Horka" u Mnichova Hradiště. - Sborn. severočes. Mus. Liberec, Ser. Hist. Nat., 1, pp. 53-86, 11 pl., 1958. [*Hygrophoraceae*]
4667. HERINK (J.). Boj proti otravání houbami v Československu létech v 1948-1958. - Čes. Mykol., 13, 1, pp. 3-10, 1959.
4668. HERINK (J.). Bělohnojník sřožlutý *Leucocoprinus denudatus* (Rabenh.) Singer. - Op. cit., 13, 2, pp. 108-116, 1 col. pl., 1 fig., 1959.
4669. HERINK (J.). Červenolupen mísovitý- *Rhodophyllus caccabus* Kühn. nový druh československé mykoloflory. - Op. cit., 13, 3, pp. 130-139, 3 fig., 1959.
4670. HESLER (L.R.). Southeastern Agaricales, III, IV. - Tenn. Acad. Sci., 34, pp. 162-171, 1959.
4671. HONGO (T.). Notes on Japanese larger fungi (14). - J. Jap. Bot., 34, 8, pp. 239-245, 3 fig., 1959. [Nos. 86-93, *Tricholomopsis bambusina*, *Lepiota atrosquamulosa*, *Inocybe macrosperma* n. sp.]
4672. HONGO (T.). (On *Galerinas* from Shiga-Prefecture.) - Trans. mycol. Soc. Japan, 1959, 10, pp. 3-4, 8 fig., 1959. [Japanese.]
4673. HORNÍČEK (E.). Rozlišování a jedlost některých závojenek. - C. C. H. mykol. Sborn., 35, 5-8, pp. 78-80, 1 pl., 1 fig., 1958. [*Entoloma*.]
4674. HUIJSMAN (H. S. C.). Deux *Amanites* méconnues. - Bull. Soc. mycol. Fr., 75, 1, pp. 14-32, 4 fig., 1959. [*A. argentea* n. sp. and *A. strangulata*.]
4675. JOSSERAND (M.). Une espèce nouvelle de *Tricholomé*; *Tricholoma* (*Dermoloma*) *hygrophorus*. - Bull. Soc. mycol. Fr., 74 (1958), 4, pp. 482-491, 4 fig., 1959.
4676. JOSSERAND (M.) & POUCHET (A.). Notes conjointes sur '*Tricholoma sudum*' espèce mal connue et toxique. - Bull. mens. Soc. linn. Lyon, 28, 3, pp. 69-75, 1 fig., 1959.
4677. KEBRLE (E.). Čechratka podvinutá. - C. C. H. mykol. Sborn., 36, 7-10, pp. 112-113, 1 fig., 1959. [*Paxillus involutus*.]
4678. KNECHT (J.). Zur Anatomie und physiologie der Gattung *Oudemansiella* Speg. - Schweiz. Z. Pilzk., 37, 7, pp. 105-112, 26 fig., 1959.
4679. KOLA (V.). Čechratka podvinutá - *Paxillus involutus* (Batsch) Fr. - C. C. H. mykol. Sborn., 36, 7-10, p. 114, 1959. [3 lines.]
4680. KOTLABA (F.) & POUZAR (Z.). Nový nález vzácné houby špičatičky stepní - *Galeropsis desertorum* Velen. et Dvoř. v Československu a poznámky k rodu *Galeropsis* Velen. - Čes. Mykol., 13, 4, pp. 200-211, 5 fig., 1959.
4681. KULHÁNEK (J.). Nález muchomůrky bílé - *Amanita virosa* Lam. - C. C. H. mykol. Sborn., 36, 7-10, p. 138, 1959.
4682. KÜHNER (R.). Notes descriptives sur les agarics de France. - Bull. mens. Soc. linn. Lyon, 28, 4, pp. 120-127, 1959. [*Cortinarius*, with *C. integrerrimus* nom. nov.]

4683. KÜHNER (R.) & LAMOURE (D. Mlle). De l'existence d'une race bisporique parthénogénétique dans le groupe de *Mycena epipterygia* (Scop. ex Fr.) - Ann. Univ. Lyon, Ser. 3 (Sci.), 10, Sect. C, pp. 21-23, 1958.
4684. KUNERT (J.). Čarodějné kruhy. - Živa, 6 (44), p. 124, 1 pl., 1958.
4685. MALENÇON (G.). Un nouveau Cortinaire des cédraies, *Cortinarius herculeus* n. sp. - C.R. Soc. Sci. nat. Maroc, 1958, 7, pp. 159-160.
4686. MALENÇON (G.). Remarques sur les spores de quelques *Rhodocybe*. - Bull. Soc. Nat. Oyonnax, 1958-1959, 12-13, pp. 1-10, 2 fig., 1959.
4687. MARGAINE (F.). *Hygrophorus* (*Limacium*) *penarius* Fries. - Bull. Soc. mycol. Fr., 75, 1, 1 p., 1 col. pl. (atlas, pl. cxvii), 1959.
4688. MELZER (V.). Potopudná houba - *Fungus sudorifer*. - C. C. H. mykol. Sborn., 36, 7-10, pp. 124-126, 1 fig., 1959. [*Tricholoma sejunctum*]
4689. MELZER (V.). Bedla Badhamova na Domažlicku. - Čes. Mykol., 13, 2, pp. 117-119, 1 fig., 1959. [*Lepiota badhamii*.]
4690. MÉTROD (G.). Sur le genre *Tephrophana* (Fries Earle). - Bull. Soc. mycol. Fr., 75, 2, pp. 184-193, 1 col. pl., 1959. [5 n. sp. without Latin diagnosis.]
4691. MÖLLER (F. H.). Two *Lepiota* species hitherto misinterpreted in Denmark. *Lepiota adulterina* sp. n. and *L. hetieri* Boud. - Friesia, 6 (1957-58), 1-2, pp. 20-25, 1 fig., 1959.
4692. MORAVEC (J.). Dvě houby. - C. C. H. mykol. Sborn., 36, 7-10, p. 114, 1959. [*Amanita spissa*, *Paxillus involutus*.]
4693. NATHORST-WINDAHL (T.). Some interesting agarics from south-western Sweden. - Acta Hort. gothoburg., 22 (1958), pp. 75-86, 4 pl., 1959. [30 spp.]
4694. NEUHOFF (W.). Eine Düngerlingvergiftung in Bremen. - Z. Pilzk., 24 (1958), 3-4, pp. 87-91, 1959. [*Panaeolus*.]
4695. NEUHOFF (W.). Zwei wenig bekannte Ritterlinge. - Westfäl. Pilzbriefe, 1, pp. 61-66, 1958. [*Tricholoma paedidum* and *T. compactum* (Syn. *T. tricolor* and *T. pseudoaccerbus*.)]
4696. NOVOTNÝ (V.). Houby na Šumavě. - C. C. H. mykol. Sborn., 35, 5-8, pp. 82-84, 1 fig., 1958.
4697. PARMASO (É.). Seened, mis kasvadad seentel. - Eesti Loodus, 1959, 5, pp. 306-308, 1 fig., 1959. [*Asterophora* spp.]
4698. PARROT (A. G.). L'Amanite de Gilbert, *Amanita gilberti* Beauseigneur, dans les Landes de Gascogne. - Bull. Soc. mycol. Fr., 75, 2, pp. 177-183, 6 fig., 1959.
4699. PILÁT (A.). *Cantharellus cibarius* Fr. und *Cantharellus pallens* sp. n. - In Omaggio lui Traian Săvulescu, pp. 597-600, 3 fig., București, Editura Academiei Republicii Populare Romîne, 1959.
4700. PILÁT (A.). Pávučinec podzimní-*Cortinarius* (*Phlegmacium*) *turmalis* Fr. 1838 ss. Ricken na Moravě. - Čes. Mykol., 13, 1, pp. 52-57, 5 fig., 1959.
4701. PILÁT (A.). Pečárka karlova - *Agaricus caroli* Pilát na Českolipsku. - Op. cit., 13, 1, pp. 60-61, 1 fig., 1959.
4702. PILÁT (A.). Kukmák prostřední-*Volvaria media* (Schumacher ex Fr.) Quéř. a *Volvaria media* ve smyslu Bresadolově. - Op. cit., 13, 3, pp. 163-168, 2 fig., 1959. [V. krizii n. sp. for *V. media* sens. Bres.]
4703. PILÁT (A.). Böhmsche *Agaricus*-Arten. - Z. Pilzk., 23, pp. 77-84, 1957.

4704. PODOBSKÝ (J.). O katmance pošvaté. - C. C. H. mykol. Sborn., 36, 7-10, pp. 151-152, 1959. [Czech. *Amanita vaginata* (Bull.) Quéf. alias *Amanitopsis vaginata* Bull.]
4705. RAPER (J. R.) & KRONGELB (Gladys S.). Genetic and environmental aspects of fruiting in *Schizophyllum commune* Fr. - Mycologia, 50 (1958), 5, pp. 707-740, 9 fig., 1 graph, 1 map, 1959.
4706. RAPER (J. R.). *Schizophyllum umbrinum* Berkeley in culture. - Op. cit., 51, 3, pp. 474-476, 1 fig., 1959.
4707. REIJNDERS (W.). Nogmaals *Pluteus leoninus* S. L. - Coolia, 6, 2-3, pp. 9-10, 1959.
4708. REIJNDERS (W. J.). On a vernal marsh *Galerina*. - Persoonia, 1, 1, pp. 165-168, 1-9, fig., 1959. [1 n. sp.]
4709. ROMAGNESI (H.). *Rhodophyllus*. - Flore iconographique des Champignons du Congo, Fasc. 6, pp. 131-137, 2 col. pl., 1957.
4710. SANDOR (R.). Studie zu neuen Specifica für *Agaricus* (Psalliota)-Arten. - Z. Pilzk., 24 (1958), 3-4, pp. 74-81, 1959.
4711. SCHAEFER (Z.). Méně známé, vzácné a nové druhy ryzců ČSR VI. - Čes. Mykol., 13, 4, pp. 233-241, 4 fig., 1959. [*Lactarius curtus* and *L. fascians*.]
4712. SILAGHI (G.). *Agaricaceae* noi pentru micoflora R. P. R. - Contr. bot. Cluj, 1958, pp. 79-82, 1958. [6 spp.]
4713. SINGER (R.). Studies toward a monograph of the South American species of *Marasmius*. - Sydowia, 12 (1958), 1-6, pp. 54-145, 51 fig., 1959. [Many new taxa.]
4714. SINGER (R.). *Fungi Mexicani*, Series secunda - *Agaricales*. - Op. cit., 12 (1958), 1-6, pp. 221-243, 1959. [Many new taxa.]
4715. SINGER (R.). Contributions towards a monograph of the genus *Pluteus*. II. - Trans. Brit. mycol. Soc., 42, 2, pp. 223-225, 4 fig., 1959. [4 spp.]
4716. SINGER (R.). Monographs of South American Basidiomycetes, especially those of the east slope of the Andes and Brazil. I. The genus *Pluteus* in South America. - Lloydia, 21, 4, pp. 195-302, 19 pl., 1958. [Many new taxa. 66 spp. recognized.]
4717. SINGER (R.). New and interesting species of Basidiomycetes. VI. - Mycologia, 51, 3, pp. 375-400, 19 fig., 1959. [25 taxa including 13 n. spp. 1 n. var., and 5 n. comb., also 6 validations.]
4718. SINGER (R.). Dos géneros de hongos nuevos para Argentina. - Bol. Soc. argent. Bot., 8, 1, pp. 9-13, 1 pl., 1959. [*Volvolepiota albidia*; *Cystoagaricus strobilomyces*]
4719. SMARDA (F.) & KRÍŽ (Karel). *Pluteus coccineus* (Cooke) Massee - štítková šarlatová. - Čes. Mykol., 11, 1, pp. 46-48, 1 col. pl., 1957.
4720. SMITH (A. H.) & SINGER (R.). Studies on secotiaceous fungi. VIII. A new genus in the Secotiaceae related to Gomphidius. - Mycologia, 50, (1958), 6, pp. 927-938, 9 fig., 1959. [*Brauncellula*, 2 n. spp., 1 n. comb.]
4721. SMOTLACHA (F.). *Penizovha sametonohá*. *Flammulina* (*Collybia*) *velutipes*. - C. C. H. mykol. Sborn., 35, 5-8, pp. 89-90, 1958.
4722. SMOTLACHA (F.). Katmanka (pošvatka) pošvatá. - Op. cit., 35, 9-10, pp. 140-142, 2 fig., 1959. [*Amanitopsis vaginata*.]
4723. SMOTLACHA (F.). Závojenka májová, hlohová čili hložienka. - Op. cit., 36, 1-4, pp. 16-17, 1 pl., 1 fig., 1959. [*Entoloma majale*.]

4724. SMOTLACHA (F.). Čirůvka havelka čili černůtka. *Tricholoma* [Agaricus] *portentosum* Fries, *fumosus* [Harz], *luridus* [Lasch]. - Op. cit., 36, 7-10, pp.97-98, 1 fig., 1959.
4725. SMOTLACHA (F.). Čirůvka zelánka, zelinka, zelenka, strnadka. *Tricholoma equestre* (L.) Fr. - *flavoriens* Pers. - Op. cit., 36, 7-10, pp.98-101, 1 fig., 1959.
4726. SMOTLACHA (M.). Hlíva jilmová na mrtvém dřevě pod střechou. - Op. cit., 36, 7-10, pp.106-107, 1 fig., 1959. [*Pleurotus ulmarius*]
4727. ŠTĚPÁN (K.). Zařazení *Hydrocybe isabellina* a *Telamonia majalis*. - Op. cit., 36, 7-10, p.106, 1959.
4728. STEVENSON (G.). Toadstools (Agaricales) including a guide to the main genera. - Tuatara, 7, 1, pp.9-16, 1958.
4729. SVRČEK (M.). *Cortinarius* (Myxaciaceae) *mucifluus* Fr. - pavučinec (mazavec) mokvavý a přehled pavučinců sekce *Colliniti* Fr. - Čes. Mykol., 13, 3, 1 col. pl., pp.168-171, 1959. [With key.]
4730. TAKEMARU (T.). (Genetical studies on fungi VII. Some problems on the mating system of *Coprinus macrorhizus* Rea f. *microsporus* Hong.) - Bot. Mag. Tokyo, 72, 850, pp.169-176, 2 fig., 1959. [English summary.]
4731. TAKEMARU (T.). Ibid. VIII. Some facts on the mating system of *Psilocybe coprophila* Fr. - Bot. Mag. Tokyo, 72, 851, pp.215-219, 1959. [Japanese.]
4732. TERRA (P.). La constitution factorielle des haplontes d'homobasidiomycètes dans ses relations avec l'aspect des cultures. - Ann. Univ. Lyon, Ser. 3, (Sci.), Sect. C, 10, pp.41-49, 1958. [*Schizophyllum commune* and *Mycena tenella*.]
4733. TERAOKA (H.). Studies on the morphogenesis in *Pleurotus ostreatus*. Sci. Pap. Univ. Coll. Tokyo, 6, 1, pp.61-87, 1956.
4734. TOMINAGA (Y.). Cytogenetic studies of the Hymenomycetous fungi. II. On the spore formation of Japanese Pine mushroom, *Armillaria matsutake* Ito et Imai. - Bull. Hiroshima agric. Coll., 1, 2, pp.1-4, 1 pl., 1959.
4735. VAVRA (R.). Šupinovka obrovská-*Pholiota grandis* Rea. - C.C.H. mykol. Sborn., 36, 7-10, pp.102-104, 2 fig., 1959.
4736. VESELSKÝ (J.). Ekologická studie o šupinovce zlatozávojně-*Pholiota aurivella* (Batsch) Quélet. - C.C.H. mykol. Sborn., 34, 3-6, pp.55-59, 1957-8.
4737. VESELSKÝ (J.). Určování hub podle vůně. - Op. cit., 35, 5-8, pp.65-71, 1958.
4738. WEBER (E.H.). Familie der Paxillaceae (Krempelinge). - Schweiz. Z. Pilzk., 37, 12, pp.185-188, 5 fig., 1959.
4739. WEBER (E.H.). Familie der Gomphidiaceae (Schmierlings-ähnliche). - Op. cit., pp.188-190, 5 fig., 1959.
4740. WEBER (E.H.). Familie der Hygrophoraceae (Wachsblättler). - Op. cit., pp.190-192, 6 fig., 1959.
4741. WICHANSKÝ (E.). Bedla jasná a bedla červenolupenná v kinského sadech v Praze. - Čes. Mykol., 13, 1, pp.57-60, 1 fig., 1959. [*Lepiota sernea*, L. *naucina*]

GASTEROMYCETES

4742. CRIBB (Joan W.). Puff balls and related fungi in Queensland. - Qd Nat., 16, 1-2, pp.13-17, 1 fig., 1958. [Presidential address.]

4743. KREISEL (H.). Bemerkenswerte Gasteromyceten in Mecklenburg. - Arch. Nat. Meckl., 3, pp.129-132, 1957.
4744. RAUSCHERT (S.). Beitrag zur Nomenclature mitteleuropäischer Gasteromyceten. - Z. Pilzk., 25, 2, pp.50-55, 1959. [29 spp. including 3 n. comb.]
4745. SHVARTSMAN (S.R.). (Materials for the flora of the Gasteromycetes of Kazakhstan.) - Trud. Inst. Bot. Acad. Sci. Kazakh S.S.R., 1959, 7, pp. 227-267, 21 fig., 1959. [Russ. 48 taxa including *Bovista radicata* n. comb.]
4746. SOSIN (P.E.). (Morphological characteristics of the Gasteromycetes from the view-point of the significance of their adaptability.) - Bot. Zh. S.S.S.R., 44, 1, pp.9-18, 1959. [Russ.]
4747. SOSIN (P.E.). & MELIK-KHACHATRYAN (D.G.). (Materials for the Gasteromycete flora of the Armenian S.S.R.) - Izv. Akad. Nauk. Arman. S.S.R., biol.Sci., 12, 6, pp.73-79, 1959. [Russ. 19 spp. including *Scleroderma sapidiformis* n.sp. and *Bovistella reticulata* n.sp.]

PHALLALES

4748. LÖTSCHERT (W.). Die Schleierdame - *Dictyophora indusiata*. - Natur u. Volk, 87, pp.67-71, 2 fig., 1957.
4749. LOWY (B.). Anomalous Phalloids. - Mycologia, 50 (1958), 5, pp.792-794, 3 fig. (on 1 pl.), 1959. [*Clathrus columnatus* and *Mutinus ravenelii*.]
4750. MALENÇON (G.). *Dictyophora duplicata* (Bosc.) Fisch. et *Phallus subuculatus* Mont. - Bull. Soc. Nat. Oyonnax, 1956-1957, 10-11, pp.57-79, 5 pl., 1 fig., 1957.
4751. PONER (K.). Květenec javanský - *Anthurus javanicus* (Penz.) G.H. Cunn. nalezen v. praze. - Čes. Mycol., 13, 2, pp.85-86, 1 col. pl., 1959.
4752. SHVARTSMAN (S.R.). (A rare gasteromycete *Anthurus archeri* (Berk.) Fischer in Kazakhstan.) - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp.257-261, 1 fig., 1959. [Russian.]
4753. STRANI (M.) & TOSCO (U.). Nuovo contributo sulla diffusione di *Mutinus curtisii* (Berk.) E. Fischer in Piemonte. - Nuovo G. bot. ital., N.S., 66, 1-2, pp.23-33, 1 col. pl., 1 fig., 1 map, 1959.
4754. SWART (H.J.). Aseroe in South Africa. - S. Afr. J. Sci., 55, 8, p.192, 2 fig., 1959. [*A. rubra*.]

LYCOPERDALES

4755. CHIARUGI (A.). Un secondo reperto in Toscana del 'Myriostoma coliforme' (Dicks.) Corda. - Webbia, 14, 1, pp.73-80, 1 pl., 1958.
4756. HANDKE (H.-H.). *Geastrum minimum* Schw. und *Geastrum cesatii* Rbh. - Z. Pilzk., 23, pp.95-99, 3 fig., 1957.
4757. KREISEL (H.). Die Gattungen *Lycoperdon* und *Calvatia* in Deutschland. - Z. Pilzk., 23, pp.92-95, 1957.
4758. PALMER (J.T.). Observations on *Gastromycetes*. VIII. Persoon's specimens of *Geastrum pectinatum* Pers. and a reassessment of *Geastrum plicatum* Berk. and *G. tenuipes* Berk. - Persoonia, 1, 1, pp.149-164, 26 fig., 1959.
4759. PREINFALK (A.). Pýchavka obrovská - *Lycoperdon gigantea* Batsch. - C. C. H. mykol. Sborn., 36, 5-6, p.87, 1959.
4760. RUDNICKA (Wanda). Nowe stanowiska *Disciseda calva* (Moravec) Moravec i *Disciseda bovista* (Klotzsch) P. Henn. w okolicy Warszawy. - Monogr. Bot., 8, pp.183-190, 5 fig., 1959.

SCLERODERMATALES

4761. NAKHUTSRISHVILI (I. G.). (On an interesting habitat of *Battarrea phalloides* Pers.) - *Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.)*, 12, p.262, 1959. [Russian. In a pineto-picetum in the Caucasian mountains.]
4762. ZEROVA (Mme M. Ya.) (The occurrence of two *Gasteromycetes* - *Phellorinia iniquans* Berk. and *Pisolithus tinctorius* (Pers.) Coker & Couch. f. *turgidus* (Fr.) Pilát. in the Ukraine.) - *J. Bot. Acad. Sci. Ukr.*, 16, 2, pp.88-91, 2 fig., 1959. [Ukrainian.]

HYMENOGASTRALES

4763. HEIM (R.). Brève diagnose latine des *Cytophyllopsis*. - *Rev. Mycol., Paris*, 23, 4, pp.413-414, 1958.
4764. HEIM (R.). Une espèce nouvelle de *Gastrolactarié* en Thaïlande. - *Op. cit.*, 24, 2, pp.93-102, 1 pl., 2 fig., 1959.
4765. MALENÇON (G.). La sporogenèse des *Hymenogaster* et ses enseignements. - *Bull. Soc. mycol. Fr.*, 75, 2, pp.99-131, 6 pl., 3 fig., 1959.
4766. PILÁT (A.). *Podaxis pistillaris* (L. ex Pers.) Morse-nožník paličkovitý v Tadžické SSR. - *Čes. Mykol.*, 13, 4, pp.195-199, 1 col.pl., 1959.
4767. SINGER (R.). The meaning of the affinity of the *Secotiaceae* with the *Agaricales*. - *Sydowia*, 12 (1958), 1-6, pp.1-43, 1959.
4768. SINGER (R.). Type studies on *Basidiomycetes* IX. - *Op. cit.*, 13, 1-6, pp. 235-238, 1959. [*Maccagnia carnica*.]
4769. SINGER (R.) & SMITH (A. H.). Studies on *secotiaceous* fungi. V. *Nivato-gastrum* gen. nov. - *Brittonia*, N.Y., 11, 4, pp.224-228, 1 pl. (2 fig.), 4 fig., 1959. [n. gen. for *Secotium nubigenum*.]
4770. SINGER (R.) & SMITH (A. H.). Ibid., 6 *Sechelliogaster* Pouzar. - *Madroño*, S. Francisco, 15, 3, pp.73-79, 3 fig., 1959. [1 n. comb.]
4771. SMITH (A. H.) & SINGER (R.). Ibid. IV. *Gastroboletus*, *Truncocolumella* and *Chamonixia*. - *Brittonia* N.Y., 11, 4, pp.205-223, 2 pl., 17 fig., 1959. [1 n. sp., 2 n. var., 3 n. comb.]
4772. SINGER (R.) & WRIGHT (J. E.). A new species of the genus *Weraroa* from South America. - *Darwiniana*, B. Aires, 11, 4, pp.607-610, 1 fig., 1959. [*Weraroa patagonica*.]

FUNGI IMPERFECTI

4773. BATISTA (A. C.), DA MATTA (E. A. F.) & MAIA (H. Da S.). Taxonomia de algumas espécies de fungos imperfeitos. - *An. Soc. Biol. Pernambuco*, 16, 1, pp.115-127, 12 fig., 1959. [Publ. Inst. Micol. Univ. Recife 102. 10 taxa including 2 n. spp. and 1 n. var.]
4774. BATISTA (A. C.) & DA MATTA (E. A. F.). Revisão analítica de um grupo de fungos imperfeitos. - *Brotéria*, Sér. Ciênc. nat., 28, 2-3, pp.75-93, 15 fig., 1959. [3 n. spp. and 12 others.]
4775. BUCHWALD (N. F.). *Fungi Imperfecti* of the Faeröes. - *Contr. Dep. Pl. Path., R. vet. agric. Coll.*, 50, pp.139-221, 97 fig., 1958.
4776. MOORE (R. T.). *Deuteromycetes* I: the *Sporidesmium* complex. - *Mycologia*, 50 (1958), 5, pp.681-692, 12 fig., 1959. [10 n. comb.]
4777. PETRAK (F.). Drei neue *Fungi imperfecti* australischen Flora. - *Sydowia*, 12 (1958), 1-6, pp.50-53, 1959. [*Phyllosticta aecidiorum*, *Microdiplodia acaciæ*, *Pestalozzia macrozamia* n. spp.]

4778. RĂDULESCU (E.) & NEGRU (A.). Două specii noi de ciuperci parazite pe *Thalictrum*. - In *Omagiu lui Traian Săvulescu*, pp. 649-654, 2 fig., București, Editura Academiei Republicii Populare Române, 1959. [*Ascochyta săvulescul*, n. sp. and *Heterosporium săvulescul*, n. sp.]
4779. SPRAGUE (R.) & ROGERSON (C. T.). Some leafspot fungi on Kansas Gramineae. - *Mycologia*, 50 (1958), 5, pp. 634-641, 1 fig., 1959. [6 n. spp.]
4780. VÖRÖS (J.). Fungi imperfecti aus Ungarn. II. - *Sydowia*, 12 (1958), 1-6, pp. 247-251, 1959. [43 spp. incl. 2 n. spp. and 1 nom. nov.]
4781. VÖRÖS (J.). Ibid. III. - *Op. cit.*, 13, 1-6, pp. 119-123, 1959. [49 spp. including 2 n. spp., 1 n. var.]
- SPHAEROPSIDALES
4782. BAKKER (K.). Parasiet op *Anthurium*. - *Coolia*, 6, 1, pp. 2-3, 1959. [*Septoria azaleae*.]
4783. BATISTA (A. C.). Alguns novos gêneros monotípicos de fungos imperfeitos. - *An. Soc. Biol., Pernambuco*, 16, 1, pp. 141-151, 5 fig., 1959. [Publ. *Inst. Micol. Univ. Recife* 103, 4 n. gen.]
4784. BATISTA (A. C.) & CIFERRI (R.). Novos fungos Peltasterales. - *Atti Ist. Bot. Univ. Pavia*, Ser. 5, 16, pp. 85-96, 5 fig., 1959. [Publ. *Inst. Micol. Univ. Recife* 109, 1 n. gen., 6 n. spp., 1 n. var., and 4 *Asteromella* spp.]
4785. BATISTA (A. C.), NASCIMENTO (M. L.) & DA MATTA (E. A. F.). *Megaloxypium ophioglossum* Cif., Bat., & Nasc. e seu cultivo artificial nos meios de laboratório. - *Op. cit.*, 16, pp. 97-103, 1 fig., 1959. [Publ. *Inst. Micol. Univ. Recife* 107.]
4786. BIGA (M. L. B.), CIFERRI (R.), & BESTAGNO (G.). Ordinamento artificiale delle specie del genere *Coniothyrium* Corda. - *Sydowia*, 12 (1958), 1-6, pp. 259-320, 1959. [125 spp. and 18 var.]
4787. BOSMANS (P.). Studie van een *Phomopsis* sp. geïsoleerd uit scheutjes van *Azalea indica* L. - *Verh. Rijksst. Plziekt. Gent* 2, 42 pp., 1 fig., 2 graphs, 1959.
4788. CONNERS (I. L.). Species of *Leptothyrium* and *Kabatia* on *Lonicera*. - *Canad. J. Bot.*, 37, 3, pp. 419-429, 10 fig., 1959. [3 n. comb., 2 n. var.]
4789. CONNERS (I. L.). Further observations on *Leptothyrium* and *Kabatia* on *Lonicera*. - *Op. cit.*, 37, 5, pp. 1131, 1959.
4790. CUNNELL (G. J.). On *Ascochyta acori* Oud. and *A. typhoidearum* (Desm.) comb. nov. - *Trans. Brit. mycol. Soc.*, 42, 4, pp. 468-474, 6 fig., 1959.
4791. LACY (R. C.). *Discosia tenzingii*, a new species from Darjeeling. - *Indian Phytopath.*, 11, 1, pp. 82-84, 8 fig., 1958.
4792. LINDQUIST (J. C.) & WRIGHT (J. E.). Sobre la identidad de *Poroniopsis Spegazzini* e *Hypocreodendron* P. Hennings. - *Darwiniana, B. Aires*, 11, 4, pp. 598-605, 1 pl., 3 fig., 1959.
4793. MAINS (E. B.). North American species of *Aschersonia* parasitic on *Aleyrodidae*. - *J. insect. Path.*, 1, 1, pp. 43-47, 1 pl. (9 fig.), 1959. [7 spp. including 1 new sp.]
4794. MARLAND (A. G.). (A critical review of the genus *Septoria* relative to the flora of Estonia.) - *Acta Univ. dorpat. (Tartu) Biol. Sci.*, 4, pp. 1-224, 95 fig., 1 graph, 1948. [Russian. 273 spp.]
4795. MATHUR (P. N.) & THIRUMALACHAR (M. J.). Studies on some Indian soil Fungi. I. Some new or noteworthy *Sphaeropsidales*. - *Sydowia*, 13, 1-6, pp. 143-147, 9 fig., 1959. [2 n. gen., 4 n. spp.]

4796. McVEY (D. V.). The morphology and pathogenicity of *Leptodiscus terrestris*. - Diss. Abstr., 20, 1, pp. 19-20, 1959.
4797. MEHTIEVA (Mme N. A.). (Species of fungi of the genus *Septoria* from the north-eastern part of the Azerbaijan S.S.R.) - Izv. Acad. Sci. Azerb. S.S.R., 1958, 6, pp. 103-107, 1958. [Russian with Azeri summary.]
4798. MOHANTY (N. N.). An undescribed species of *Pyrenochaeta* on *Dolichos biflorus* Linn. - Indian Phytopath., 11, 1, pp. 85-87, 2 fig., 1958.
4799. MÜLLER (E.). Über die Hauptfruchtform von *Phyllostictina solieri* (Mont.) Petr. et Syd. - Sydowia, 12 (1958), 1-6, pp. 244-246, 1 fig., 1959. [*Didymella asphodeli* n. sp.]
4800. PETRAK (F.). Über die Gattung *Cheilaria* Lib. - Sydowia, 13, 1-6, pp. 57-63, 1959. [*Cheilariopsis*, n. gen. for *Cheilaria urticae*.]
4801. PETRAK (F.). *Pseudoriospora* n. gen., eine neue, staurospore Gattung der Sphaeropsideen. - Op. cit., 13, 1-6, pp. 109-112, 1959. [*P. gaubae*, n. sp.]
4802. PETRAK (F.). *Endozythia* n. gen., eine neue, pseudonectrioide Gattung der phomoiden Sphaeropsideen. - Op. cit., 13, 1-6, pp. 116-118, 1959. [*E. moravica* n. sp.]
4803. RAO (P. N.) & SALAM (M. A.). Hyperparasite on powdery mildews. - Sci. & Cult., 24, 12, p. 574, 1959. [*Cicinnobolus cesatii*.]
4804. ROGERS (D. P.). On *Cicinnobolus*. - Mycologia, 51, 1, pp. 96-98, 1959. [A synonym of *Ampelomyces*.]
4805. RUPPRECHT (H.). Beiträge zur Kenntnis der Fungi imperfecti III. - Sydowia, 13, 1-6, pp. 10-22, 1959. [25 n. comb., 5 n. spp.]
4806. SANTOS (A. Clotilde dos). Uma nova espécie de fungo na *Poinsettia* (*Euphorbia*) *pulcherrima* (Willd.) R. Grah. - Bol. Soc. Broteriana, 32, Ser. 2A, pp. 297-299, 2 pl., 1958. [*Phomopsioides palhinae*.]

MELANCONIALES

4807. BATISTA (A. C.), VITAL (A. F.), & MAIA (H. da S.). Anotaceões taxonômicas de alguns Melanconíales. - Atti Ist. bot. Univ. Pavia, Ser. 5, 16, pp. 127-130, 4 fig., 1959. [Publ. Inst. Micol. Univ. Recife 138. *Myxosporium latvicensis* n. sp.; *Gloeosporium sphaerelloides*; *Placella fraseriana*.]
4808. DIAS (Maria R. de Sousa). *Colletotrichum telles-palhinae* n. sp. - Bol. Soc. broteriana, 32, Ser. 2A, p. 265, 1 pl., 1958.
4809. LEBEZHINSKAYA (Mme L. D.). (New species of melanconial fungi in the Leningrad region on berry-fruit plants.) - Bot. Mater. (Notul. syst. Sect. crypt. Inst. bot. Acad. Sci. U.S.S.R.), 12, pp. 268-270, 1 fig., 1959. [Russian. 4 n. spp.]
4810. MOORE (R. T.). *Scheleobrachea* Hughes. - Mycologia, 51, 2, pp. 300-302, 3 fig., 1959. [*Piricauda scorobylos* n. sp.]
4811. MOORE (R. T.). The genus *Piricauda* (Deuteromycetes). - Rhodora, 61, 724, pp. 87-120, 12 pl., 1959. [5 n. spp., 1 n. nom., 29 n. comb.]
4812. NEGRU (A.). Noi contribuții la cunoașterea Melanconialelor din R.P.R. - Stud. Cercet. Biol. Cluj, 9, 1, pp. 29-43, 2 fig., 1958. [30 spp. including 6 new.]
4813. NEGRU (A.). *Titaespora*, gen. nou pentru micoflora R.P.R. - Op. cit., 9, 2, pp. 237-241, 1 fig., 1958.
4814. PETRAK (F.). *Săvulescua* Petr. n. gen., eine neue Gattung der Melanconidaceen mit eutypoidem Stroma. - In Omăgiu lui Traian Săvulescu, pp. 591-595, 2 fig., București, Editura Academiei Republicii Populare Române, 1959. [1 n. sp.]

4815. SHARPLES (R. O.). Observations on the perfect state of *Gloeosporium perennans* in England. - Trans. Brit. mycol. Soc., 42, 4, pp.507-512, 1 pl., 2 fig., 1959.
4816. SMITH (R. W.) & CROSSAN (D. F.). The taxonomy, etiology, and control of *Colletotrichum piperatum* (E. & E.) E. & H. and *Colletotrichum capsici* (Syd.) B. & B. - Plant Dis. Repr., 42, 10, pp.1099-1103, 1 fig., 1958.

HYPHOMYCETES

4817. DIXON (P. A.). Stream spora in Ghana. - Trans. Brit. mycol. Soc., 42, 2, pp.174-176, 1 fig., 1959.
4818. HUGHES (S. J.). Starting point of nomenclature of Hyphomycetes. - Taxon, 8, pp.96-103, 1959.
4819. INGOLD (C. T.). Submerged aquatic Hyphomycetes. - J. Quekett micr. Cl., Ser.4, 5, 5, pp.115-130, 15 fig., 1959.
4820. PEEK (C. A. & SOLHEIM (W. G.). The hyphomycetous genera of H. W. Harkness and the ascomycetous genus *Cleistosoma* Harkn. - Mycologia, 50 (1958), 6, pp.844-861, 7 fig., 1959.
4821. TUBAKI (K.). (Classification of Hyphomycetes and their perfect stages.) - Trans. mycol. Soc. Japan, 1959, 10, pp.5-7, 1959. [Japanese.]
4822. UMPHLETT (C. J.). *Heliscus tentaculus*, n.sp., an aquatic hyphomycete. - Va J. Sci., 10, pp.27-32, 1959.
4823. WEBSTER (J.). Experiments with spores of aquatic Hyphomycetes. I. Sedimentation and impaction on smooth surfaces. - Ann. Bot., N.S., 23, 92, pp.595-611, 3 fig., 4 graphs, 1959.

MONILIALES

4824. AGNIHOTHRUDU (V.). Notes on fungi from north-east India. III *Cylindrocarpon tenue* Bugnicourt (syn. *Gliocladiopsis sagariensis* Saksena). - Trans. Brit. mycol. Soc., 42, 4, pp.458-462, 1 fig., 1959.
4825. AJELLO (L.). A new *Microsporum* and its occurrence in soil and on animals. - Mycologia, 51, 1, pp.69-76, 12 fig., 1959.
4826. ANDERSEN (H.). *Helminthosporium catenarium* Drechs. p. graeseri Denmark. - Tidsskr.Planteavl., 43, 4, pp.710-736, 3 fig., 1 graph, 1959.
4827. ARTAGAVEYTIA-ALLENDE (R. C.). *Candida tropicalis* u *Candida robusta* (Estudio de varias cepas). - Atti. Ist. Bot. Univ. Pavia, Ser.5, 16, pp.121-126, 1959.
4828. BAKSHI (B. K.) & SINGH (S.). Wilt disease of Shisham (*Dalbergia sissoo* Roxb.) VI. Further studies on soil fungi, *Aspergillus* and *Penicillium*. - Indian Phytopath., 10, 1, pp.71-78, 14 fig., 1957. [9 A.spp., 5 P.spp.]
4829. BISTIS (G. N.). Pleomorphism in the Dermatophytes. - Mycologia, 51, 3, pp.440-452, 1959. [Trichophyton mentagrophytes.]
4830. BROTSKAIA (S. Z.). The morphology of variants of *Aspergillus nidulans* produced by ultra violet irradiation. - Microbiology, Moscow, 27, 1, pp.45-51, 1958.
4831. BUGNICOURT (F.). Contribution à l'étude de *Cladosporium colocasiae* Sawada. - Rev. mycol., Paris, 23, 2, pp.233-236, 1 pl., 1 fig., 1958.
4832. CHABELSKA-FRYDMAN (Chaja). *Cephalophora tropica* Thaxter, a rare Hyphomycete isolated from seeds in Israel. - Bull. Res. Coun. Israel, 7D, 2, pp.81-84, 1 pl., 1959.

4833. CHIDDARWAR (P.P.). Contributions to our knowledge of the Cercosporae of Bombay State I. - Sydowia, 13, 1-6, pp.152-163, 2 pl., 1959. [12 n. spp., 1 n. var.]
4834. CHONA (B.L.), LALL (G.), & MUNJAL (R.L.). Some Cercospora species from India. I. - Indian Phytopath., 12, 1, pp.76-84, 2 fig., 1959. [21 spp. including 2 new.]
4835. CHONA (B.L.), MUNJAL (R.L.), & KAPOOR (J.N.). Koorchalomella: a new genus of Tuberculariaceae. - Op. cit., 11, 2, pp.130-132, 3 fig., 1958.
4836. CIFERRI (R.) & MONTEMARTINI (A.). Taxonomy of Haplosporangium parvum. - Mycopathologia, 10, 4, pp.303-316, 2 pl., 1959. [Emmonsia parva n.gen., n.comb.]
4837. CLOSE (R.). A species of Gibellula on a pupa of the Emperor moth, Antheraea eucalypti Scott. - Abs. in N.Z.Sci. Rev., 16, 7-8, p.55, 1958.
4838. CODNER (R.C.) & POLATT (B.C.). Light-induced production of carotenoid pigments by Cephalosporia. - Nature, Lond., 184, 4687, pp.741-742, 1959.
4839. COLE (H.) & COUCH (H.B.). Cytological investigations of Kabatiella caulivora. - Amer. J. Bot., 46, 1, pp.12-16, 4, fig., 1 graph, 1959.
4840. DAS (S.). An undescribed species of Cercospora on Anogeissus acuminata Wall. - Curr. Sci., 28, 2, pp.80-81, 1 fig., 1959. [C.acuminata.]
4841. DAWSON (Christine) & GENTLES (J.C.). Perfect stage of Keratinomyces ajelloi. - Nature, Lond., 183, 4671, pp.1345-1346, 1 fig., 1959. [No name given.]
4842. DEIGHTON (F.C.). Studies on Cercospora and allied genera. I. Cercospora species with coloured spores on Phyllanthus (Euphorbiaceae.) - Mycol. Pap., 71, 23 pp., 13 fig., 1959. [8 spp., 3 new.]
4843. DEIGHTON (F.C.). British records, 40. Alternaria sonchi. - Trans. Brit. mycol. Soc., 42, 1, pp.118-119, 1 fig., 1959.
4844. DRECHSLER (C.). Two new species of Harposporium parasitic on nematodes. - J. Wash. Acad. Sci., 49, 4, pp.106-112, 31 fig., 1959.
4845. DRING (Vivienne J.). Phymatotrichum fimicola sp. nov., a coprophilous hyphomycete. - Trans. Brit. mycol. Soc., 42, 4, pp.406-408, 1 fig., 1959.
4846. DWIVEDI (R.S.). Occurrence of the genus Scolecobasidium Abbott in India. - Curr. Sci., 28, 9, pp.374-375, 7 fig., 1959. [S.terreum and S.constrictum.]
4847. ELLIS (M.B.). Clasterosporium and some allied Dematiaceae - Phragmosporae. I. - Mycol. Pap., 70, 89 pp., 63 fig., 1958.
4848. ELLIS (M.B.). Ibid. II. - Op. cit., 72, 75 pp., 58 fig., 1959.
4849. FENNELL (Dorothy I.) & WARCUP (J.H.). The ascocarps of Aspergillus alliaceus. - Mycologia, 51, 3, pp.409-415, 11 fig., 1959.
4850. FORBES (E.). Use of mitotic segregation for assigning genes to linkage groups in Aspergillus nidulans. - Heredity, 13, 1, pp.67-80, 1959.
4851. GAUGER (W.). Studies with two members of the predaceous group of Fungi Imperfect. - Abs. in Proc. Nebr. Acad. Sci., 68, p.6, 1958.
4852. GERLACH (W.). Beiträge zur Kenntnisse der Gattung Cyindrocarpon Wr. II. Cyindrocarpon victoriae (P.Henn.) Wr. - Phytopath. Z., 35, 3, pp.292-300, 4 fig., 1959.

4853. GERLACH (W.). Ibid. III. *Cylindrocarpon olidum* Wr. und seine phytopathologische Bedeutung. - Op. cit., 35, 4, pp.333-346, 8 fig., 1959. [*C. olidum* var. *crassum* n. var.]
4854. GORDON (W. L.). The occurrence of *Fusarium* species in Canada. VI. Taxonomy and geographic distribution of *Fusarium* species on plants, insects, and fungi. - Canad. J. Bot., 37, 2, pp.257-290, 2 fig., 1959. [18 spp., 3 var., 18 f.]
4855. GORLENKO (M. V.), KONDAKOVA (Mme E. I.), & PLETNEVA (Mme O. I.). (On the biology of predacious fungi.) - Bull. Soc. Nat., Moscou, Ser. biol., N. S., 64, 5, pp.89-97, 1959. [Russ. 14 spp. of 4 genera.]
4856. HÄRRI (E.). Physiologische Untersuchungen über die Gattungen *Thielavia* Zopf und *Thielaviopsis* Went. - Phytopath. Z., 36, 1, pp.27-66, 9 fig., 7 graphs, 1959.
4857. HASEGAWA (T.). Studies on the genus *Rhodotorula*. 2. The mycological properties of the *Rhodotorula* strains preserved in Japan. - J. Ferm. Technol., 36, 5, pp.194-202, 1958. [Diagnosis and key.]
4858. HAYASHI (J.). Studies on the serological classification of the genus *Candida*. I. Antigenic analysis of 4 species. - Jap. J. Bot., 13, 9, pp.820-826, 1958.
4859. HUGHES (S. J.). Microfungi. IV. *Trichocladium canadense* n. sp. - Canad. J. Bot., 37, 5, pp.857-859, 1 pl. (2 fig.), 1 fig., 1959.
4860. INGOLD (C. T.). *Polycladium equiseti* gen. nov., sp. nov.; an aquatic Hyphomycete on *Equisetum fluviatile*. - Trans. Brit. mycol. Soc., 42, 1, pp.112-114, 1 fig., 1959.
4861. INGOLD (C. T.). British Records. 39. *Volucrispora aurantiaca*. - Op. cit., 42, 1, p.117, 1 fig., 1959.
4862. INGOLD (C. T.). Aquatic spora of Omo Forest, Nigeria. - Op. cit., 42, 4, pp.479-485, 6 fig., 1959.
4863. JACKSON (C. R.). & WEBER (G. F.). Morphology and taxonomy of *Alternaria cucumerina*. - Mycologia, 51, 3, pp.401-408, 2 fig., 1959.
4864. JIANG (G. -Z.). (Graminicolous species of *Helminthosporium* from China.) - Acta phytopath. sinica, 5, 1, pp.22-34, 3 pl. (22 fig.), 1959. [Chinese.]
4865. JOLY (P.). Variations morphologiques et notion d'espèce chez le genre *Alternaria* (Nees) Wiltshire. - Bull. Soc. mycol. Fr., 75, 2, pp.149-158, 2 fig., 1959.
4866. KENNETH (R.). Contribution to the knowledge of the *Helminthosporium* flora on Gramineae in Israel. - Bull. Res. Coun. Israel, Sect. D, 6, pp.191-210, 12 fig., 1958. [9 spp.]
4867. KRAMER (C. L.), PADY (S. M.), & ROGERSON (C. T.). Kansas aeromycology IV. *Alternaria*. - Trans. Kans. Acad. Sci., 62, 4, pp.252-256, 1959.
4868. LINDQUIST (J. C.). A propósito de *Trachyspora vestita* (Diet.) Lindq. - Bol. Soc. argent. Bot., 7, 2, p.134, 1958. [= *Chlamydomyces palmarum*.]
4869. MARTIN (G. W.). On the genus *Hobsonia*. - Brittonia, 11, pp.98-101, 1959.
4870. MATHUR (R. L.) & MATHUR (B. L.). A new species of *Curvularia* from the leaves of *Jasminum sambac*. - Curr. Sci., 28, 11, pp.448-449, 1 fig., 1959. [C. prasadii.]
4871. MATUO (T.) & ISHIGAMI (K.). On the wilt of *Solanum melongena* L. and its causal fungus *Fusarium oxysporum* f. *melongenae* n. f. - Ann. phytopath. Soc. Japan, 23, 4, pp.189-192, 3 fig., 1958. [Japanese.]

4872. MESSIAEN (C. M.). La systématique du genre *Fusarium* selon Snyder et Hansen. - Rev. Path. vég., 38, 4, pp.253-266, 2 pl. (4 fig.), 1959.
4873. MINOURA (K.) & OKAZAKI (G.). *Penicillium vermiculatum* Dangeard. - Trans. mycol. Soc. Japan, 2, 2, p.12, 3 fig., 1959.
4874. MISRA (A. P.) & HAQUE (S. Q.). *Isaria felina* (DC) Fr.; first record in India. - Sci. & Cult., 25, 3, p.221, 1959.
4875. MOHANTY (N. N.). *Cercospora* leaf spot of Sesame. - Indian Phytopath., 11, 2, pp.186-187, 1 fig., 1958. [*C. sesamicola* n.sp.]
4876. MOORE (R. T.), McALEER (J. H.), & CHAPMAN (G. B.). *Stilbum zacalloxanthum*; taxonomy and conidial structure as seen by electron microscopy of thin section. - Amer. Nat., 93, 868, pp.41-43, 1959.
4877. MÜCKE (D.) & OBENAU (R.). Zu Kenntnis von *Cephalosporium gordonii* nov. spec. - Arch. Mikrobiol., 33, 3, pp.283-304, 1959.
4878. MÜLLER (E.) & SANWAL (B. D.). On a new parasitic fungus on *Castanopsis*. - Indian Phytopath., 12, 1, pp.29-32, 1 fig., 1959. [*Microstroma castanopsis* n.sp.]
4879. MUNJAL (R. L.), LALL (G.), & CHONA (B. L.). Some *Cercospora* species from India. II. Op. cit., 12, 1, pp.85-89, 3 fig., 1959.
4880. NAG RAJ (T. R.) & GEORGE (K. V.). 'Target leaf spot' disease of coffee. I. Occurrence, symptoms and etiology. - Indian Phytopath., 11, 2, pp.153-158, 7 fig., 1958. [*Myrothecium advena*.]
4881. NARITA (T.) & HIRATSUKA (Y.). Studies on *Kabatiella zeae* n.sp., the causal fungus of a new leaf spot disease of Corn. - Ann. Phytopath. Soc. Japan, 24, 3, pp.147-153, 6 fig., 1959.
4882. PETRAK (F.). *Xenostilbum* n.gen. eine neue Gattung der Phaeophragmosporen Stilbaceen. - Sydowia, 13, 1-6, pp.105-108, 1959. [*X. sydowii* n.sp.]
4883. POLEMANN (G.). Durch Mikrosporon gypseum verursachte Microsporien. Eine Beitrag zur Biologie des Erregers. - Dtsch. med. Wschr., 84, 15, pp.756-759, 4 fig., 2 graphs, 1959. [German]
4884. POSPÍŠIL (L.). Agglutinations-, Komplement bindungs- und Hämagglutinationsreaktion bei der Bestimmung von *Candida*-Arten. - Dermatologica, Basel, 118, 2, pp.65-73, 1959.
4885. RAMBELLI (A.). Schede micologiche. III. contributo. Micromiceti della Valle del Tevere. - Mycopathologia, 11, 1-2, pp.135-142, 2 fig., 1959. [*Dephilippia helictotrichoides* n.gen., n.sp. *Acrotheca 2* n.sp.]
4886. RANGASWAMI (G.) & RAO (V.). *Alternaria* blight of Clusterbeans. - Indian phytopath., 10, 1, pp.18-25, 2 fig., 1957. [*A. cyamopsidis* n.sp.]
4887. RIETH (H.) & SCHÖNFELD (J.). Zur Diagnostik und Therapie der Mykosen durch imperfekte Hefen (Cryptococcaceen). - Arch. klin. exp. Derm., 208, 4, pp.343-361, 8 fig., 1959.
4888. ROSEMBERG (J. A.). *Isaria cretacea* van Beyma. - Mycopathologia, 10, 4, pp.283-288, 2 fig., 1 graph, 1959.
4889. RUDAKOV (O. L.). (Character variation in *Penicillia* and *Aspergilli*). - ex Trud. molod. nauch. Rabot. Akad. Nauk Kirgiz. S.S.R., pp.249-255, 6 fig., 1958.
4890. RUDAKOV (O. L.). (The sustentacular stipe cell of the conidiophore in *Penicillium* Link.). - Bot. Zh. S.S.S.R., 44, 6, pp.866-67, 1 fig., 1959.

4891. SAEZ (H.). Recherche du *Candida albicans* et du *Geotrichum candidum* dans les fèces de quelques animaux en captivité. - Bull. mens. Soc. linn. Lyon, 28, 6, pp.191-194, 1 fig., 1959.
4892. SAKSENA (S.B.) & DHORE (M.A.). Taxonomic studies in *Aspergilli* of Sagar. - Bull. Saugar Univ. bot. Soc., 8 (1956), 2, pp.41-65, 1958.
4893. SALAM (M.A.) & RAO (P.N.). Fungi from Hyderabad (India) - II (*Oidium* spp.) - Indian Phytopath., 11, 2, pp.126-129, 1958. [16 records.]
4894. SALAM (M.A.), RAO (P.N.) & RAO (P.R.). Three new records of fungi imperfecti on Zingiberaceae. - Indian Phytopath., 11, 2, pp.122-125, 5 fig., 1958. [*Piricularia* sp. 1 and 2, and *Helicomicina costii* n.sp.]
4895. SÁNCHEZ-MARROQUÍN (A.). Taxonomic considerations on some *Candida* yeasts. - Rev. Latinoamer. Microbiol., 1, 3, pp.233-242, 1958.
4896. SANTA MARÍA (J.). *Candida atmosphaerica*, nov.spec., aislada del aire. - An. Inst. nac. Agron., Madrid, 8, 3, pp.797-802, 2 pl., 1959.
4897. SCHARIF (G.). *Cercoseptoria cydoniae* sp.nov. on Quince (*Cydonia vulgaris* L.) in Iran. - Trans. Brit. mycol. Soc., 42, 1, pp.33-39, 1 pl., 2 fig., 1959.
4898. SHOEMAKER (R.A.). Nomenclature of *Drechslera* and *Bipolaris*, Grass parasites segregated from 'Helminthosporium'. - Canad. J. Bot., 37, 5, pp.879-887, 1959. [Many n.comb.]
4899. SCHOL-SCHWARZ (M. Beatrice). The genus *Epicoccum* Link. - Trans. Brit. mycol. Soc., 42, 2, pp.149-173, 1 pl., 1 fig., 3 graphs, 1959. [*Epicoccum andropogonis* n.comb. syn. *Cerebella andropogonis*.]
4900. STAIB (F.). Ein beitrage zur Morphologie von *Trichosporon cutaneum* bei Verwendung von Kaliumtellurit. - Zbl. Bakt., Abt.2, 112, 1-5, pp.38-42, 5 fig., 1959.
4901. SUBRAMANIAN (C.V.). *Phragmostilbe*, a new genus of the Stilbaceae from North America. - Mycopathologia, 10, 4, pp.350-354, 1 fig., 1959.
4902. SWART (H.J.). Observations on fungus cultures from the collection in the botany department of the University of the Witwatersrand. - S.Afr.J.Sci., 55, 2, pp.49-53, 5 fig., 1959. [I. *Gonotabotrys*. II. Some ascosporic spp. of *Aspergillus*.]
4903. SWART (H.J.). A comparative study of the genera *Gonytrichum* and *Bisporomyces*. - Leeuwenhoek J.Microbiol.Serol., 25, 4, pp.439-444, 6 fig., 1959. [Also *Chloridium*.]
4904. TEMPEL (A.). Serologische onderzoek bij *Fusarium oxysporum*. - Meded. LandbHoges. Wageningen, 59, 1, pp.1-60, 9 fig., 8 diag., 1959. [Engl. summary.]
4905. TSUCHIYA (T.), SATO (I.), SHIMURA (Y.), TAKAHASHI (M.), YONEZAWA (M.) & KOBAYASHI (T.). Copulation of *Candida robusta*. - Jap. J. Bact., 14, 6, pp.521-525, 1959.
4906. UDAGAWA (S.). Taxonomic studies of fungi on stored Rice grains. III. *Penicillium* group (*Penicillia* and related genera) 2. - J. agric. Sci. Tokyo Nogyo Daigaku, 5, 1, pp.5-21, 6 pl., 17 fig., 1959. [Nos. 28-43, including 5 n.spp. and an additional *Aspergillus*.]
4907. ULSON (Cecilia M.). Contribução para o estudo das chamadas 'leveduras pretas'. - 167 pp., 12 fig., São Paulo, Departamento de Publicações, Faculdade de Medicina, Universidade de São Paulo, 1959. [*Pullularia*.]
4908. VAN DER WALT (J.P) & VAN KERKEN (Ameleia E.). The wine yeasts of the Cape. Part III. The fermentative dissimilation of glucose by *Brettanomyces intermedius* and *Brettanomyces clausenii*. - Leeuwenhoek J. Microbiol. Serol., 25, 4, pp.449-457, 1959.

4909. VAN UDEN (N.) & DO CARMO-SOUSA (Lidia). Further studies on the significance of temperature relations and vitamin deficiency patterns in yeast taxonomy. - Portugaliae Acta Biologica (B), 6, 3, pp.239-256, 5 fig., 1959. [*Candida parapsilosis* var. *querci* nov. var., *C. obtusa* nov. comb., *C. lusitaniae* nov. sp.]
4910. VERBINA (N.M.). On some peculiarities of development of *Aspergillus nidulans* variants produced by ultra violet irradiation. - Microbiology, Moscow, 27, 2, pp.164-171, 1958.
4911. VISWANATHAN (R.) & RANDHAWA (H.S.). *Candida viswanathii* sp. novo isolated from a case of meningitis. - Sci. & Cult., 25, 1, pp.86-87, 1 fig., 1959.
4912. WEBSTER (J.). *Tricellula aquatica* sp. nov., an aquatic hyphomycete. - Trans. Brit. mycol. Soc., 42, 4, pp.416-420, 2 fig., 1959.
4913. WEIXL-HOFMANN (Hertha). Über die Auslösung von Sporenbildung bei bisher als asporogen geltenden Hefearten. - Protoplasma, 50, 3, pp.340-355, 4 fig., 1959. [*Torulopsis utilis* and *T. sanguinea*.]
4914. YAMAMOTO (W.), MAEDA (M.), & OYASU (N.). Taxonomy of the fungi occurring on Bamboos. I. *Aspergillus*. - Sci. Rep. Hyogo Univ. Agric. Ser. agric. Biol., 3, 2, pp.94-98, 10 fig., 1958. [9 spp.]
4915. YOKOYAMA (T.). A new species of *Helicoina*. - J. Fac. Agric. Hokkaido Univ., 51, 1, pp.191-193, 1959.
4916. YONEYAMA (M.). A new variety of *Pullularia fermentans* Wynne et Gott. - Bot. Mag., Tokyo, 72, 849, pp.91-100, 5 fig., 1959. [*P. f.* var. *candida*]
4917. YONEZAWA (M.). Studies on the classification of the genus *Rhodotorula*. - Jap. J. Bact., 13, 10, pp.942-946, 1958. [Slide agglutination.]

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4918. GHILLINI (C.A.). Studio comparativo preliminare di diciotto ceppi di *Sclerotium rolfsii* del 'marciume radicale' delle Bietole. - Notiz. Malatt. Piante, 49-50, (N.S.28-29), pp.229-242, 6 pl., 1959.
4919. McKEEN (W.E.). *Rhizoctonia ruti* sp. nov. associated with the dry-berry disease of the Loganberry. - Canad. J. Pl. Sci., 39, 1, pp.82-85, 1 pl., 1 graph, 1959.

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4920. DE BECZE (G.I.). Classification of yeasts. I. Introduction and morphology. II. Genetics. - Wallerstein Lab. Commun., 22, 77, pp.103-123, 3 fig.; 78, pp.199-225, 1 fig., 1959.
4921. DI MENNA (M.E.). Yeasts from the leaves of pasture plants. - N. Z. J. agric. Res., 2, 2, pp.394-405, 1 fig., 1 graph, 1959.
4922. FRÁGNER (P.). Pathogenní kvasinky v mlékárenském průmyslu. - Čes. Mykol., 13, 3, pp.160-163, 1959.
4923. KOCKOVÁ-KRATOCHVÍLOVÁ (Anna) & PETROVÁ (Margita). Kvasinky a kvasinkovité mikro-organismy malokarpatské oblast. - Čes. Mykol., 13, 1, pp.37-50, 3 fig., 1 map, 1959. [18 spp., 1 new.]
4924. KONOVALOV (I.N.), LITVINOV (M.A.), & ZAKMAN (L.M.). (Change in the nature and physiological characteristics of the infusion fungus (*Medusomyces gisevii* Lindau) in relation to conditions of culturing.) - Bot. Zh. S.S.S.R., 44, 3, pp.346-349, 1959. [Russian. Yeasts of 4 genera are involved.]

4925. SANTA MARÍA (J.). Ecología de las levaduras. II. Levaduras del azúcar, de la leche condensada y de la remolacha. - An. Inst. nac. aeron., Madrid, 8, 3, pp. 779-796, 3 pl. (12 fig.), 1959. [14 spp., *Torulopsis saccharini* n. sp., and *Candida krusei* var. *saccharicola* n. var.]
4926. SASAKI (Y.) & YOSHIDA (T.). (A taxonomic reconsideration on the Alcohol fermenting yeast preserving in Japan.) - Mem. Fac. Agric. Hokkaido Univ., 3, 2, pp. 163-177, 1959. [Japanese. 9 spp.]
4927. SASAKI (Y.) & YOSHIDA (T.). (A taxonomic reexamination of bread yeast preserving in Japan.) - Op. cit., 3, 2, pp. 151-162, 1959. [Japanese. 8 spp.]
4928. SASAKI (Y.) & YOSHIDA (T.). (A Taxonomic reconsideration of lactose fermenting yeast preserving in Japan.) - Op. cit., 3, 2, pp. 178-184, 1959. [Japanese. 3 spp.]
4929. SONEDA (M.). Studies on animal-dung inhabiting yeast. - Nagaoa, 6, pp. 1-24, 1 pl., 31 fig., 1959. [20 spp. including 5 new.]
4930. TUBAKI (K.) & SONEDA (M.). Cultural and taxonomical studies on Prototheca. - Nagaoa, 6, pp. 25-34, 1 pl., 1959. [6 spp. including 1 new.]
4931. VERONA (O.) & MONTEMARTINI (A.). Sinossi dei lieviti descritti dal 1952 al 1958. - Reprinted from Atti Ist. bot. Pavia, Ser. V, 17, 123 pp., 1959.
4932. WINDISCH (S.). Vegetationskundliche untersuchungen an Hefen. - Ber. dtsh. bot. Ges., 72, 5-6, pp. 212-219, 1 graph, 1959.
4933. ZSOLT (J.). The evolution of domesticated yeasts, and some related problems. - Acta bot. hung., 5, 1-2, pp. 233-257, 4 diag., 2 fig., 1959.

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4934. WERNER (R. G.). Contribution à la flore cryptogamique du Maroc. Fascicule XXII (anti-Atlas fin). - Bull. Soc. Hist. nat. Afr. N., 50, 3-4, pp. 104-113, 1959. [3 spp. on lichens]

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